Pressure switches

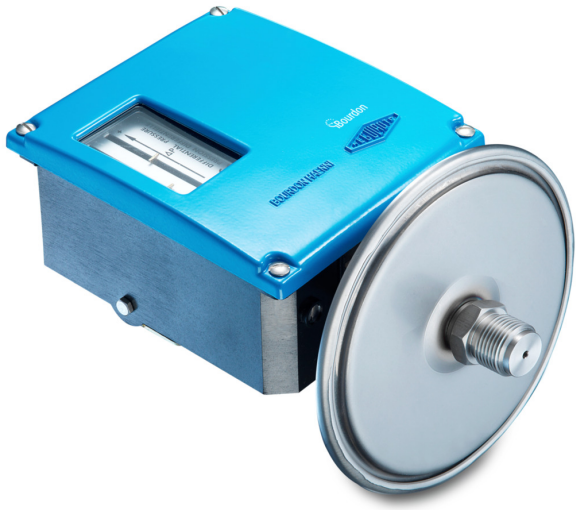
RDN4

Differential pressure switch

RDN-###.###/

Overview

- Excellent repeatability
- Dead band adjustment for regulation
- Fix dead band for control



Picture similar

Technical data

Housing	
Protection rating (EN60529)	IP66
Cover	Blue painted, zamak Captive stainless steel screws
Case material	Black painted, zamak
Mounting	Wall mounting bracket
Scale	Internal, accuracy on reading ± 5 % FS
Process	
Process connection	G1/2" 1/4" NPT female 1/2" NPT
Process connection material	Stainless steel 1.4404 / AISI 316L
Temperature	
Ambient temperature	-25°C ... +55°C
Storage temperature	-40°C ... +70°C
Media temperature	-15°C ... +150°C

Wetted parts	
Flange	Stainless steel 1.4404 / AISI 316L
Diaphragm	FKM (Viton)
Sensing / Input	
Min. measuring range	-2.5 ... 2.5 mbar
Max. measuring range	10 ... 400 mbar
Performance	
Repeatability	± 1 % FS
Adjustment	2 external adjustment screws on top of the case for set point and deadband When set point adjustment is required it is necessary to know the static pressure, as it has an influence on the set point.
Electrical data	
Ground connection	Via internal terminal block
Electrical connection	Via internal terminal block with plastic cable gland for Ø 7 to 10.5 mm
Approval / Conformities	
CE conformity	Low Voltage Directive 2014/35/UE

Remarks

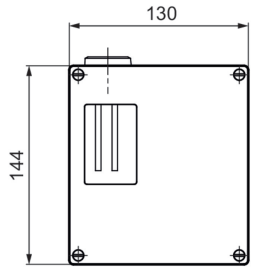
- These devices must be used as instruments that provide electrical information according to the value of the input variable. They are not intended to be used as a safety accessory. It is the responsibility of the user to check the compatibility of the device with its intended use.

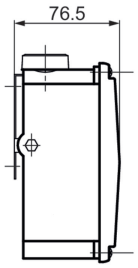
RDN4

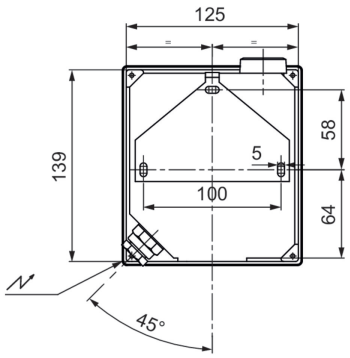
Differential pressure switch

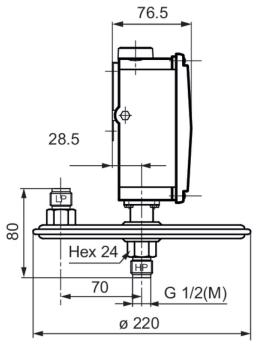
RDN-###.###/

Dimensional drawings (mm)

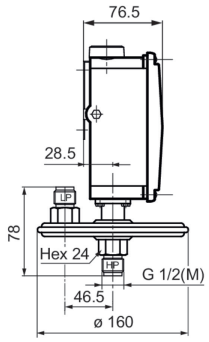






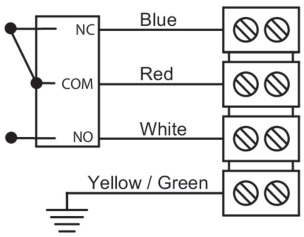


Pressure range codes: 111 - 121 - 131
Weight: 3 kg

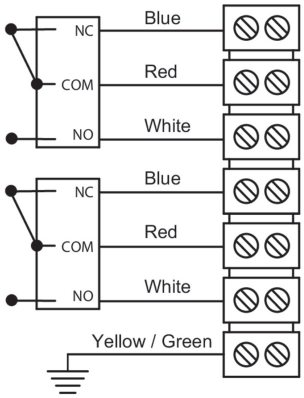


Pressure range codes: 156 - 157
Weight: 3 kg

Electrical connection

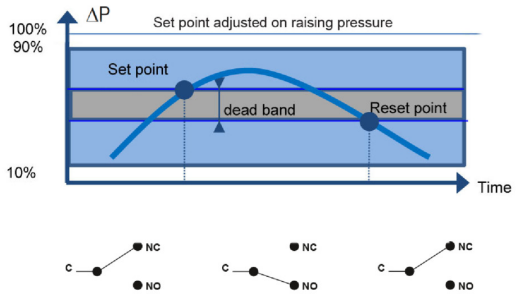


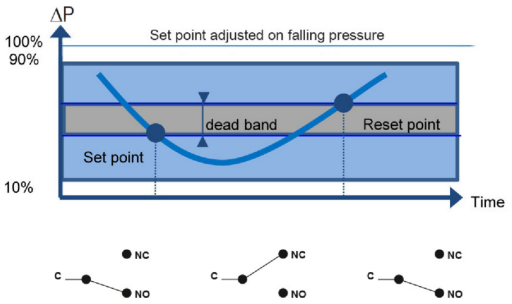
1 SPDT

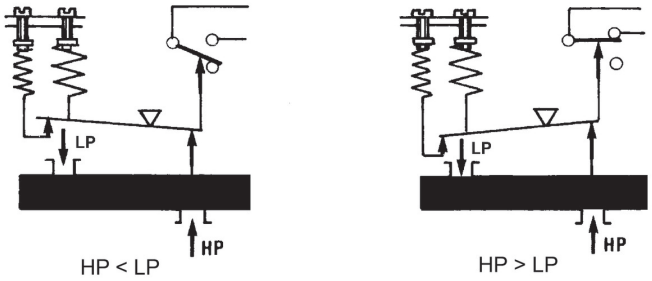


2 SPDT

Principle







A flexible sensing element actuates a microswitch by means of a piston. The set point is adjusted by means of a compressible spring installed in opposition.
Set point and reset point must be between 10% and 90% of the selected scale.
Standard factory adjustment
Setpoint at 50% of the scale on falling pressure.
Customer specific factory adjustment (option SETP)
The following specifications have to be given with the order:
• Setpoint value
• Adjustment on falling or raising pressure
• Static pressure (except RDx6)
• Dead band value (as needed) when using an adjustable dead band switch

Adjustable ranges

Scale	Max ΔP	Max P Static	Code	Micro-switch dead band (1)							
				Adjustable dead band				Fixed dead band			
				A (B*) M (K*)		C(W*)		E(F*)		H D (V*) J	
				10%	90%	10%	90%	10%	90%	10%	90%
mbar	mbar	bar		mbar							
-2.5... 2.5	5	0.15	110	N/A	N/A	N/A	N/A	0.3	0.4	N/A	N/A
2 ... 10	10	0.15	111	1.2 - 10	1.6 - 10	4.5 - 10	4.5 - 10	0.3	0.4	1.5	2
2 ... 50	50	0.15	121	1.7 - 30	2.2 - 30	5 - 30	5.5 - 30	0.4	0.5	2	3
2 ... 100	100	0.15	131	1.7 - 40	2.5 - 40	5.5 - 40	10 - 40	0.5	0.7	2	3
10 ... 200	200	1	156	8 - 80	10.5 - 80	25 - 80	40 - 80	2.5	3.4	10	13
10 ... 400	400	1	157	15 - 150	20 - 150	30 - 150	45 - 150	4.5	6	18	24

(*) For version with 2 microswitches lower values of the dead band must be multiplied x 1.5

(1) The value of the dead band is depending on the value of the set point.This table contains the dead band values for set point adjustment at 10% and 90% of the selected scale. For adjustable dead band the lower value corresponds to the dead and spring totally released and the higher corresponds to the dead band spring fully tensed. For other set points the dead band value can be calculated by linear interpolation between the values at 10% and 90%.

Micro switch characteristics

Switch code	A (B)	M (K)	C (W)	E (F)	H	D (V)	J
Type	Standard	Gold contact	Hermetic	Ultra sensitive	Manual reset	Ultra sensitive Hermetic	Manual reset
6 Vdc	0.4... 10 A	10... 50 mA	5 mA ... 4 A	0.4... 1 A	N/A	0.4... 4 A	N/A
12 Vdc	0.4... 10 A	10... 50 mA	5 mA ... 4 A	0.4... 1 A	N/A	0.4... 4 A	N/A
24 Vdc	0.4... 6 A	10... 50 mA	5 mA ... 4 A	0.4... 1 A	0.1... 8 A	0.4... 4 A	0.1... 8 A
30 Vdc	0.4... 6 A	10... 50 mA	5 mA ... 3 A	0.4... 1 A	0.1... 8 A	0.4... 2 A	0.1... 8 A
48 Vdc	0.4... 6 A	10... 50 mA	5 mA ... 3 A	N/A	N/A	N/A	N/A
110 Vdc	0.1... 0.5 A	10... 50 mA	5 mA ... 1 A	N/A	N/A	N/A	N/A
220 Vdc	0.1... 0.25 A	10... 50 mA	5 mA ... 0.5 A	N/A	N/A	N/A	N/A
115 Vac	0.4... 10 A	10... 50 mA	50 mA ... 3 A	0.4... 10 A	0.1... 10 A	N/A	0.1... 10 A
250 Vac	0.2... 10 A	N/A	50 mA ... 2.5 A	0.2 ... 10 A	0.1... 5 A	N/A	0.1... 5 A
Dielectric rigidity between contacts and ground	2000 V	2000 V	1500 V	2000 V	2000 V	1000 V	2000 V

RDN4

Differential pressure switch

RDN-###.###/

Ordering reference

Ordering key - Configuration possibilities see website

	RDN	-	4	#	#	.	###
Product							
RDN	RDN						
Measuring element							
Membran, Viton® (≤400 mbar)			4				
Type of Microswitch							
1xSPDT, Standard				A			
simultaneous				B			
1xSPDT, hermetically				C			
simultaneous				W			
1xSPDT, ultra sensitive				E			
simultaneous				F			
1xSPDT hermetic/ultra sensit.?				D			
simultaneous				V			
1 gold contact changeover switch				M			
simultaneous				K			
1xSPDT, manually, falling				H			
1xSPDT, manually, rising				J			
simultaneous				K			
Pneumatic type, NO				Z			
Pneumatic type, NC				Y			
Process connection							
G 1/2					3		
1/2 NPT					6		
1/4 NPT F					8		
Pressure range							
-2.5 … 2.5 mbar							110
2 … 10 mbar							111
2 … 50 mbar							121
2 … 100 mbar							131
10 … 200 mbar							156
10 … 400 mbar							157

Ordering example

	RDN	-	4	A	3	.	111	/	0765
Product									
RDN	RDN								
Measuring element									
Membran, Viton® (≤400 mbar)			4						
Type of Microswitch									
1xSPDT, Standard				A					
Process connection									
G 1/2					3				
Pressure range									
2 … 10 mbar							111		
Cleanliness									
for oxygen applications free of oil and grease									0765

Options			
Setpoint factory adjusted	SETP	Souriau connection	2298
For oxygen applications	0765	2.1 Certificate	Q001
Mounting on 2 pipe	0407	2.2 Certificate	Q002
stainless steel label wired*	9941	3.1 Material certificate	Q003
Setpoint adjust. lead sealed	8990	3.1 Certif. setpoints adjust.	Q011
Souriau mobile plug	2249		

Pressure switches

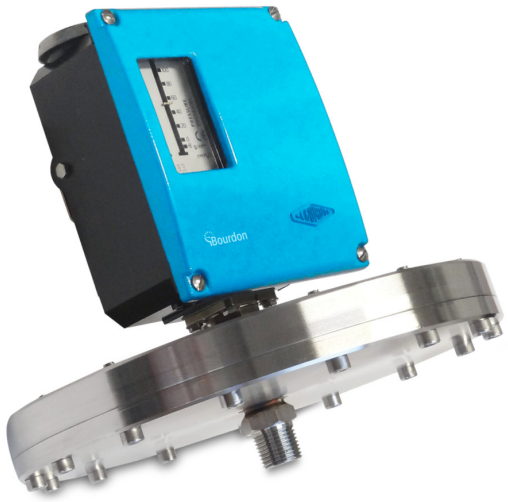
RDN5

Differential pressure switch for high static pressure

RDN-###.###/

Overview

- Excellent repeatability
- Dead band adjustment for regulation
- Fix dead band for control
- High static pressure up to 80 bar



Picture similar

Technical data

Housing	
Protection rating (EN60529)	IP66
Cover	Blue painted, zamak Captive stainless steel screws
Case material	Black painted, zamak
Mounting	Wall mounting bracket
Scale	Internal, accuracy on reading ± 5 % FS
Process	
Process connection	G1/4" female, only for codes 161,162,163 G1/2" 1/4" NPT female 1/2" NPT
Process connection material	Stainless steel 1.4404 / AISI 316L
Temperature	
Ambient temperature	-25°C ... +55°C
Storage temperature	-40°C ... +70°C
Media temperature	-15°C ... +150°C

Wetted parts	
Flange	Stainless steel 1.4404 / AISI 316L
Diaphragm	FKM (Viton) Nitrile butyl rubber
Sensing / Input	
Min. measuring range	2 ... 10 mbar
Max. measuring range	10 ... 2000 mbar
Performance	
Repeatability	± 1 % FS
Adjustment	2 external adjustment screws on top of the case for set point and deadband When set point adjustment is required it is necessary to know the static pressure, as it has an influence on the set point.
Electrical data	
Ground connection	Via internal terminal block
Electrical connection	Via internal terminal block with plastic cable gland for Ø 7 to 10.5 mm
Approval / Conformities	
CE conformity	Low Voltage Directive 2014/35/UE

Remarks

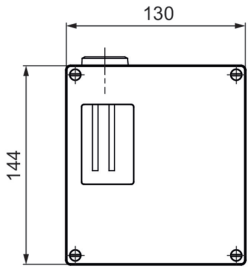
- These devices must be used as instruments that provide electrical information according to the value of the input variable. They are not intended to be used as a safety accessory. It is the responsibility of the user to check the compatibility of the device with its intended use.

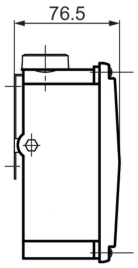
RDN5

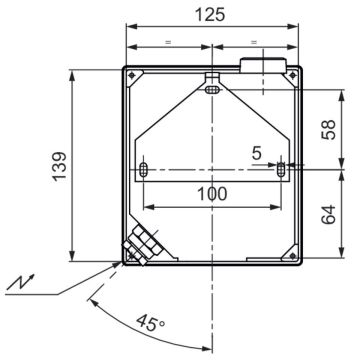
Differential pressure switch for high static pressure

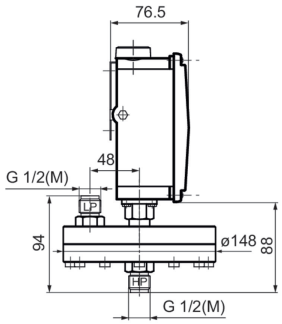
RDN-###.###/

Dimensional drawings (mm)

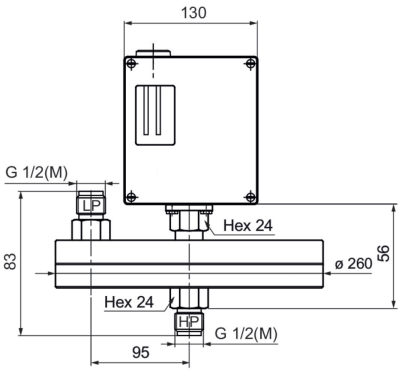




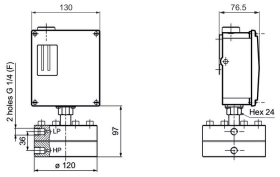




Pressure range codes: 156 - 157 - 158
Weight: 10 kg

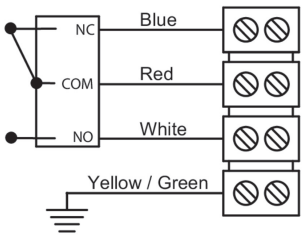


Pressure range codes: 111 - 112 - 121 - 131
Weight: 6.4 kg

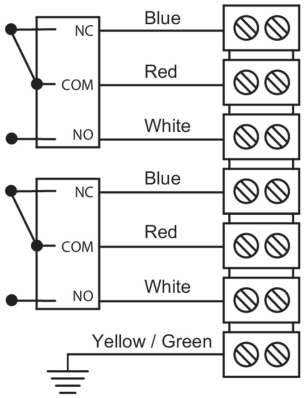


Pressure range codes: 161 - 162 - 163
Weight: 7 kg

Electrical connection



1 SPDT



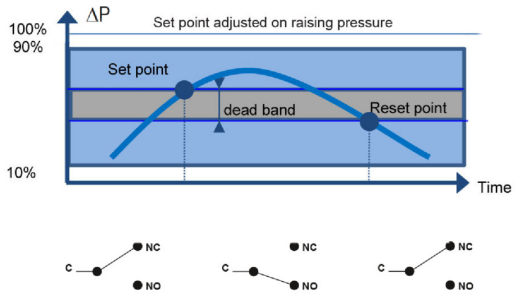
2 SPDT

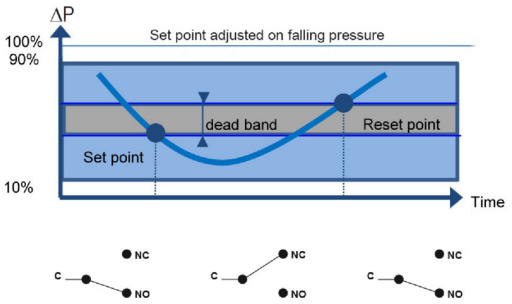
RDN5

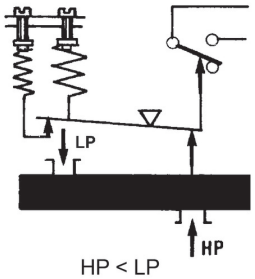
Differential pressure switch for high static pressure

RDN-###.###/

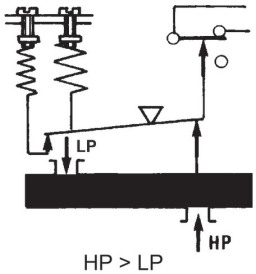
Principle







HP < LP



HP > LP

A flexible sensing element actuates a microswitch by means of a piston. The set point is adjusted by means of a compressible spring installed in opposition.
Set point and reset point must be between 10% and 90% of the selected scale.
Standard factory adjustment
Setpoint at 50% of the scale on falling pressure.
Customer specific factory adjustment (option SETP)
The following specifications have to be given with the order:
• Setpoint value
• Adjustment on falling or raising pressure
• Static pressure (except RDx6)
• Dead band value (as needed) when using an adjustable dead band switch

RDN5

Differential pressure switch for high static pressure

RDN-###.###/

Adjustable ranges

Scale	Max ΔP	Max P Static	Code	Micro-switch dead band [1]							
				Adjustable dead band				Fixed dead band			
				A (B*) M (K*)		C(W*)		E(F*)		H D (V*) J	
mbar	mbar	bar		10%	90%	10%	90%	10%	90%	10%	90%
				mbar							
2 ... 10	10	0 to 5	111	1.2 - 10	1.6 - 10	4.5 - 10	4.5 - 10	0.3	0.4	1.5	2
2 ... 20	50	0 to 5	112	1.7 - 20	2.2 - 20	5 - 20	5.5 - 20	0.4	0.5	2	3
2 ... 50	50	0 to 5	121	1.7 - 30	2.2 - 30	5 - 30	5.5 - 30	0.4	0.5	2	3
2 ... 100	100	0 to 5	131	1.7 - 40	2.5 - 40	5.5 - 40	10 - 40	0.5	0.7	2	3
10 ... 200	200	5.5 to 50	156	8 - 80	10.5 - 80	35 - 80	45 - 80	2.5	3.4	10	13
10 ... 400	400	5.5 to 50	157	15 - 150	20 - 150	40 - 150	50 - 150	4.5	6	18	24
10 ... 1000	1000	5.5 to 50	158	18 - 150	22 - 150	40 - 150	60 - 150	5	7	22	26.5
10 ... 700	700	5.5 to 80	161**	20 - 200	30 - 200	60 - 350	90 - 350	6	8	24	36
10 ... 1500	1500	5.5 to 80	162**	20 - 300	30 - 300	60 - 350	100 - 350	6	8	24	36
10 ... 2000	2000	5.5 to 80	163**	30 - 300	60 - 300	90 - 350	200 - 350	9	12	36	72

(*) For version with 2 microswitches lower values of the dead band must be multiplied x 1.5
(**) G1/4 female only

(1) The value of the dead band is depending on the value of the set point. This table contains the dead band values for set point adjustment at 10% and 90% of the selected scale. For adjustable dead band the lower value corresponds to
the dead band spring totally released and the higher corresponds to the dead band spring fully tensed. For other set points the dead band value can be calculated by linear interpolation between the values at 10% and 90%.

Micro switch characteristics

Switch code	A (B)	M (K)	C (W)	E (F)	H	D (V)	J
Type	Standard	Gold contact	Hermetic	Ultra sensitive	Manual reset	Ultra sensitive hermetic	Manual reset
6 Vdc	0.4... 10 A	10... 50 mA	5 mA ... 4 A	0.4... 1 A	N/A	0.4... 4 A	N/A
12 Vdc	0.4... 10 A	10... 50 mA	5 mA ... 4 A	0.4... 1 A	N/A	0.4... 4 A	N/A
24 Vdc	0.4... 6 A	10... 50 mA	5 mA ... 4 A	0.4... 1 A	0.1... 8 A	0.4... 4 A	0.1... 8 A
30 Vdc	0.4... 6 A	10... 50 mA	5 mA ... 3 A	0.4... 1 A	0.1... 8 A	0.4... 2 A	0.1... 8 A
48 Vdc	0.4... 6 A	10... 50 mA	5 mA ... 3 A	N/A	N/A	N/A	N/A
110 Vdc	0.1... 0.5 A	10... 50 mA	5 mA ... 1 A	N/A	N/A	N/A	N/A
220 Vdc	0.1... 0.25 A	10... 50 mA	5 mA ... 0.5 A	N/A	N/A	N/A	N/A
115 Vac	0.4... 10 A	10... 50 mA	50 mA ... 3 A	0.4... 10 A	0.1... 10 A	N/A	0.1... 10 A
250 Vac	0.2... 10 A	N/A	50 mA ... 2.5 A	0.2 ... 10 A	0.1... 5 A	N/A	0.1... 5 A
Dielectric rigidity between contacts and ground	2000 V	2000 V	1500 V	2000 V	2000 V	1000 V	2000 V

RDN5

Differential pressure switch for high static pressure

RDN-###.###/

Ordering reference

Ordering key - Configuration possibilities see website

	RDN	-	5	#	#	.	###
Product							
RDN	RDN						
Measuring element							
Membran, Viton® od. NBR			5				
Type of Microswitch							
1xSPDT, Standard				A			
simultaneous				B			
1xSPDT, hermetically				C			
simultaneous				W			
1xSPDT, ultra sensitive				E			
simultaneous				F			
1xSPDT hermetic/ultra sensit.?				D			
simultaneous				V			
1 gold contact changeover switch				M			
simultaneous				K			
1xSPDT, manually, falling				H			
1xSPDT, manually, rising				J			
Pneumatic type, NO				Z			
Pneumatic type, NC				Y			
Process connection							
G 1/4 Internal Screw					H		
G 1/2					3		
1/2 NPT					6		
1/4 NPT F					8		
Pressure range							
2 … 10 mbar							111
2 … 20 mbar							112
2 … 50 mbar							121
2 … 100 mbar							131
10 … 200 mbar							156
10 … 400 mbar							157
10 … 1000 mbar							158
10 … 700 mbar							161
10 … 1500 mbar							162
10 … 2000 mbar							163

Ordering example

	RDN	-	5	A	H	.	161	/	0765
Product									
RDN	RDN								
Measuring element									
Membran, Viton® od. NBR			5						
Type of Microswitch									
1xSPDT, Standard				A					
Process connection									
G 1/4 Internal Screw					H				
Pressure range									
10 … 700 mbar							161		

Ordering reference

Ordering example

RDN	-	5	A	H	.	161	/	0765

Cleanliness

for oxygen applications free of oil and grease	0765

Options

Setpoint factory adjusted	SETP	Souriau connection	2298
For oxygen applications	0765	2.1 Certificate	Q001
Mounting on 2 pipe	0407	2.2 Certificate	Q002
stainless steel label wired*	9941	3.1 Material certificate	Q003
Setpoint adjust. lead sealed	8990	3.1 Certif. setpoints adjust.	Q011
Souriau mobile plug	2249		

Pressure switches

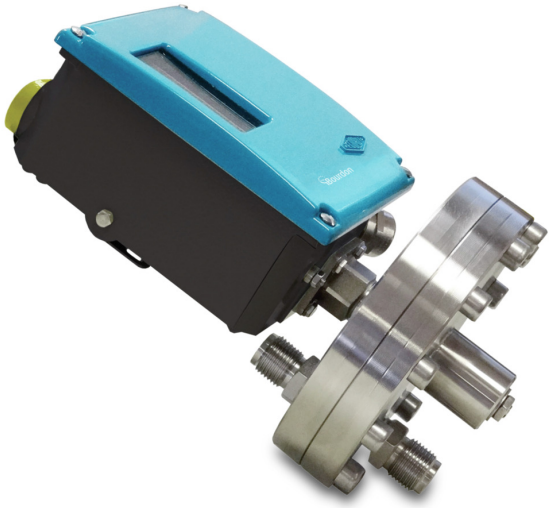
RDN6

Differential pressure switch with intrinsic safety for variable static pressure

RDN-6##.##

Overview

- Excellent repeatability
- Dead band adjustment for regulation
- Fix dead band for control
- Static pressure max. 20 bar
- No influence of the static pressure on the setpoint



Picture similar

Technical data

Housing	
Protection rating (EN60529)	IP66
Cover	Blue painted, zamak Captive stainless steel screws
Case material	Black painted, zamak
Mounting	Wall mounting bracket
Scale	Internal, accuracy on reading ± 5 % FS
Process	
Process connection	G1/4" female, only for codes 161,162,163 G1/2" 1/4" NPT female 1/2" NPT
Process connection material	Stainless steel 1.4404 / AISI 316L
Temperature	
Ambient temperature	-25°C ... +55°C
Storage temperature	-40°C ... +70°C
Media temperature	-15°C ... +150°C

Wetted parts	
Flange	Stainless steel 1.4404 / AISI 316L
Diaphragm	FKM (Viton)
Sensing / Input	
Min. measuring range	10 ... 200 mbar
Max. measuring range	10 ... 2000 mbar
Performance	
Repeatability	± 1 % FS
Adjustment	2 external adjustment screws on top of the case for set point and deadband The adjustment is not influenced by changes of the static pressure
Electrical data	
Ground connection	Via internal terminal block
Electrical connection	Via internal terminal block with plastic cable gland for Ø 7 to 10.5 mm
Approval / Conformities	
CE conformity	Low Voltage Directive 2014/35/UE

Remarks

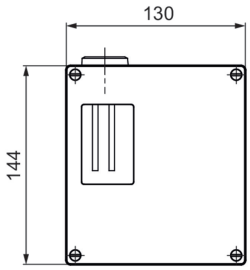
- These devices must be used as instruments that provide electrical information according to the value of the input variable. They are not intended to be used as a safety accessory. It is the responsibility of the user to check the compatibility of the device with its intended use.

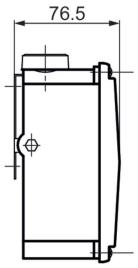
RDN6

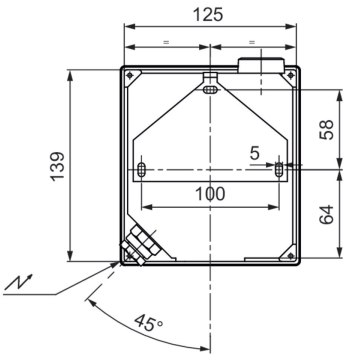
Differential pressure switch with intrinsic safety for variable static pressure

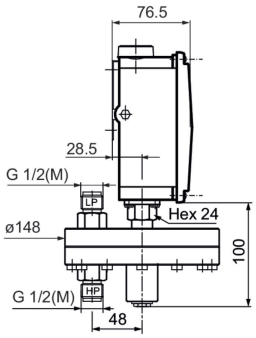
RDN-6##.##

Dimensional drawings (mm)

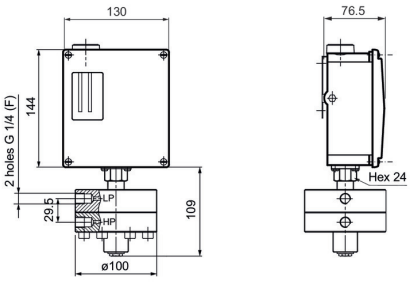






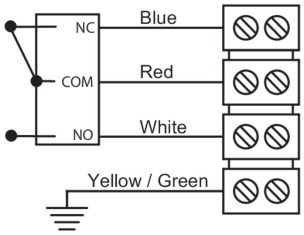


Pressure range codes:156 - 157 - 158
Weight: 6.6 kg

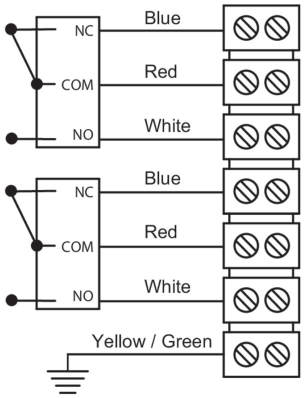


Pressure range codes: 161 - 162 - 163
Weight: 7 kg

Electrical connection



1 SPDT



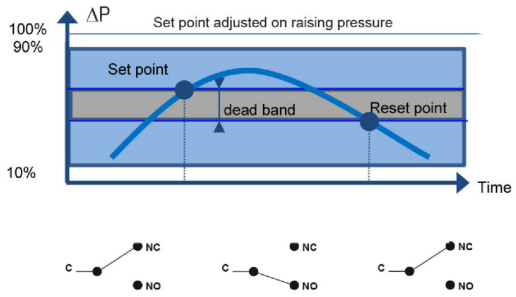
2 SPDT

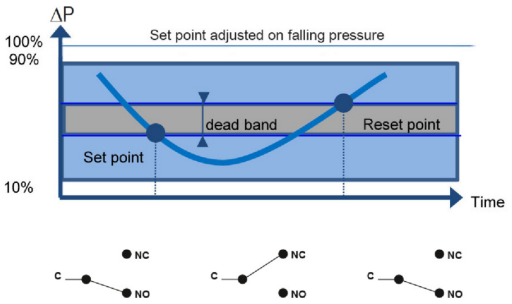
RDN6

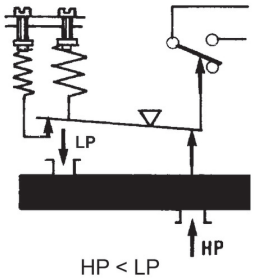
Differential pressure switch with intrinsic safety for variable static pressure

RDN-6##.##

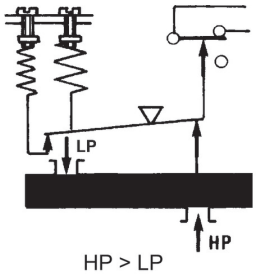
Principle







HP < LP



HP > LP

A flexible sensing element actuates a microswitch by means of a piston. The set point is adjusted by means of a compressible spring installed in opposition.
Set point and reset point must be between 10% and 90% of the selected scale.
Standard factory adjustment
Setpoint at 50% of the scale on falling pressure.
Customer specific factory adjustment (option SETP)
The following specifications have to be given with the order:

- Setpoint value
- Adjustment on falling or raising pressure
- Static pressure (except RDx6)
- Dead band value (as needed) when using an adjustable dead band switch

RDN6

Differential pressure switch with intrinsic safety for variable static pressure

RDN-6##.##

Adjustable ranges

Scale	Max ΔP	Max P Static	Code	Micro-switch dead band (1)							
				Adjustable dead band				Fixed dead band			
				A (B*) M (K*)		C(W*)		E(F*)		H D (V*) J	
				10%	90%	10%	90%	10%	90%	10%	90%
mbar	mbar	bar		mbar							
10 ... 200	200	20	**156**	8 - 80	10.5 - 80	35 - 80	45 - 80	2.5	3.4	10	13
10 ... 400	400	20	**157**	15 - 150	20 - 150	40 - 150	50 - 150	4.5	6	18	24
10 ... 1000	1000	20	**158**	18 - 150	22 - 150	45 - 150	60 - 150	5	7	22	26.5
10 ... 700	700	20	**161****	30 - 250	45 - 250	130 - 450	150 - 450	13	15	36	54
10 ... 1500	1500	20	**162****	30 - 300	45 - 300	130 - 450	150 - 450	13	15	36	54
10 ... 2000	2000	20	**163****	45 - 300	90 - 300	180 - 450	300 - 450	18	25	54	108

(*) For version with 2 microswitches lower values of the dead band must be multiplied x 1.5
(**) G1/4 female only

(1) The value of the dead band is depending on the value of the set point.This table contains the dead band values for set point adjustment at 10% and 90% of the selected scale. For adjustable dead band the lower value corresponds to the dead band spring totally released and the higher corresponds to the dead band spring fully tensed. For other set points the dead band value can be calculated by linear interpolation between the values at 10% and 90%.

Micro switch characteristics

Switch code	A (B)	M (K)	C (W)	E (F)	H	D (V)	J
Type	Standard	Gold contact	Hermetic	Ultra sensitive	Manual reset	Ultra sensitive Hermetic	Manual reset
6 Vdc	0.4... 10 A	10... 50 mA	5 mA ... 4 A	0.4... 1 A	N/A	0.4... 4 A	N/A
12 Vdc	0.4... 10 A	10... 50 mA	5 mA ... 4 A	0.4... 1 A	N/A	0.4... 4 A	N/A
24 Vdc	0.4... 6 A	10... 50 mA	5 mA ... 4 A	0.4... 1 A	0.1... 8 A	0.4... 4 A	0.1... 8 A
30 Vdc	0.4... 6 A	10... 50 mA	5 mA ... 3 A	0.4... 1 A	0.1... 8 A	0.4... 2 A	0.1... 8 A
48 Vdc	0.4... 6 A	10... 50 mA	5 mA ... 3 A	N/A	N/A	N/A	N/A
110 Vdc	0.1... 0.5 A	10... 50 mA	5 mA ... 1 A	N/A	N/A	N/A	N/A
220 Vdc	0.1... 0.25 A	10... 50 mA	5 mA ... 0.5 A	N/A	N/A	N/A	N/A
115 Vac	0.4... 10 A	10... 50 mA	50 mA ... 3 A	0.4... 10 A	0.1... 10 A	N/A	0.1... 10 A
250 Vac	0.2... 10 A	N/A	50 mA ... 2.5 A	0.2 ... 10 A	0.1... 5 A	N/A	0.1... 5 A
Dielectric rigidity between contacts and ground	2000 V	2000 V	1500 V	2000 V	2000 V	1000 V	2000 V

RDN6

Differential pressure switch with intrinsic safety for variable static pressure

RDN-6##.##

Ordering reference

Ordering key - Configuration possibilities see website

	RDN	-	6	#	#	.	###
Product							
RDN	RDN						
Measuring element							
Membran, Viton® (≤ 2 bar)			6				
Type of Microswitch							
1 gold contact changeover switch				M			
1xSPDT, Standard				A			
simultaneous				B			
1xSPDT, hermetically				C			
1xSPDT hermetic/ultra sensit.?				D			
1xSPDT, ultra sensitive				E			
simultaneous				F			
1xSPDT, manually, falling				H			
1xSPDT, manually, rising				J			
simultaneous				K			
simultaneous				V			
simultaneous				W			
Process connection							
G 1/2					3		
1/2 NPT					6		
1/4 NPT F					8		
G 1/4 Internal Screw					H		
Pressure range							
10 … 200 mbar							156
10 … 400 mbar							157
10 … 1000 mbar							158
10 … 700 mbar							161
10 … 1500 mbar							162
10 … 2000 mbar							163

Ordering example

	RDN	-	6	A	3	.	161	0765
Product								
RDN	RDN							
Measuring element								
Membran, Viton® (≤ 2 bar)			6					
Type of Microswitch								
1xSPDT, Standard				A				
Process connection								
G 1/2					3			
Pressure range								
10 … 700 mbar							161	
Cleanliness								
for oxygen applications free of oil and grease								0765

RDN6

Differential pressure switch with intrinsic safety for variable static pressure

RDN-6##.##

Options			
Setpoint factory adjusted	SETP	Souriau connection	2298
For oxygen applications	0765	2.1 Certificate	Q001
Mounting on 2 pipe	0407	2.2 Certificate	Q002
stainless steel label wired*	9941	3.1 Material certificate	Q003
Setpoint adjust. lead sealed	8990	3.1 Certif. setpoints adjust.	Q011
Souriau mobile plug	2249		

Pressure switches

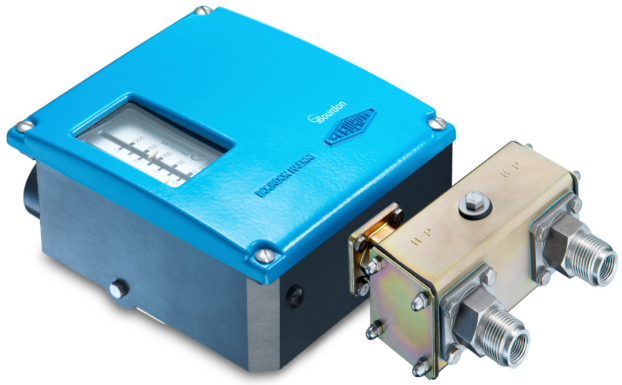
RDN8

Differential pressure switch

RDN-###.###/

Overview

- Excellent repeatability
- Dead band adjustment for regulation
- Fix dead band for control



Picture similar

Technical data

Housing	
Protection rating (EN60529)	IP66
Cover	Blue painted, zamak Captive stainless steel screws
Case material	Black painted, zamak
Mounting	Wall mounting bracket
Scale	Internal, accuracy on reading ± 5 % FS
Process	
Process connection	G1/2" 1/4" NPT female 1/2" NPT
Process connection material	Stainless steel 1.4404 / AISI 316L
Temperature	
Ambient temperature	-25°C ... +55°C
Storage temperature	-40°C ... +70°C
Media temperature	-50°C ... +200°C

Wetted parts	
Bellow	Stainless steel 1.4404 / AISI 316L Stainless steel 1.4432 / AISI 316L
Sensing / Input	
Min. measuring range	0.05 ... 0.5 bar
Max. measuring range	2.5 ... 30 bar
Performance	
Repeatability	± 1 % FS
Adjustment	2 external adjustment screws on top of the case for set point and deadband When set point adjustment is required it is necessary to know the static pressure, as it has an influence on the set point.
Electrical data	
Ground connection	Via internal terminal block
Electrical connection	Via internal terminal block with plastic cable gland for Ø 7 to 10.5 mm
Approval / Conformities	
CE conformity	Low Voltage Directive 2014/35/UE

Remarks

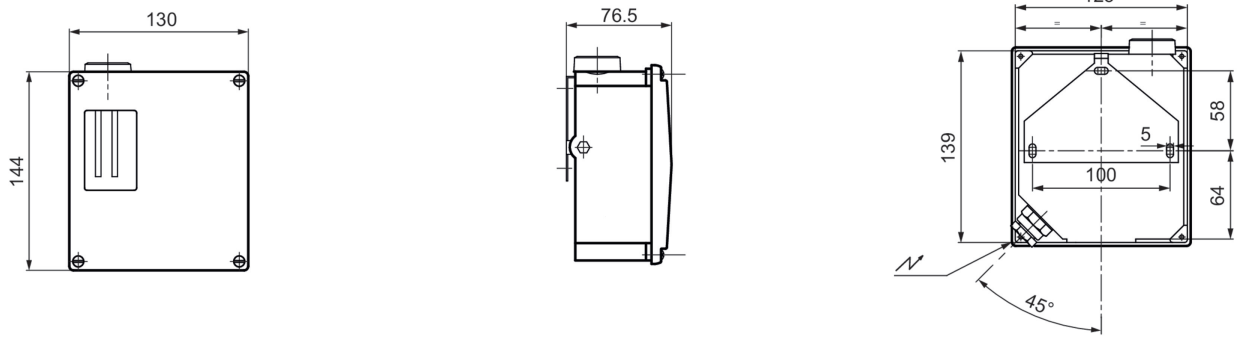
- These devices must be used as instruments that provide electrical information according to the value of the input variable. They are not intended to be used as a safety accessory. It is the responsibility of the user to check the compatibility of the device with its intended use.

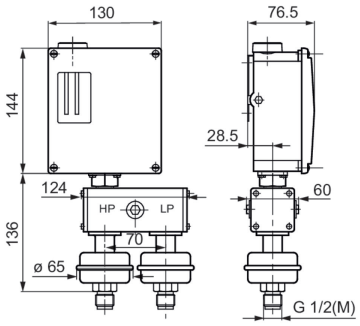
RDN8

Differential pressure switch

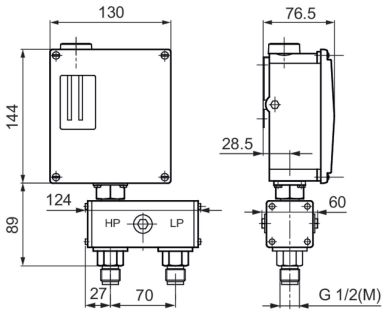
RDN-###.###/

Dimensional drawings (mm)



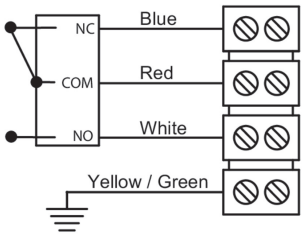


Pressure range codes: 211 - 221
Weight: 3 kg

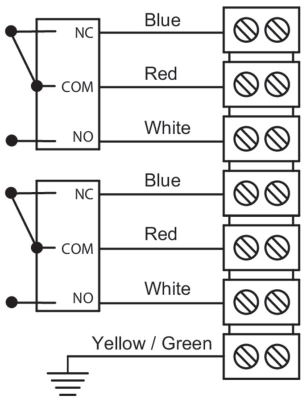


Pressure range codes: 214 - 224 - 234 - 235 - 245 - 246 - 256 - 257 - 258
Weight: 3 kg

Electrical connection

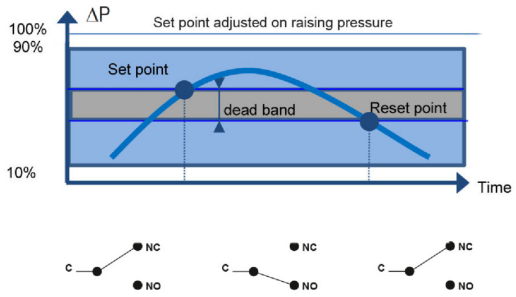


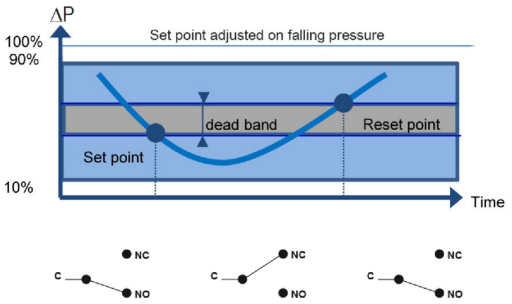
1 SPDT

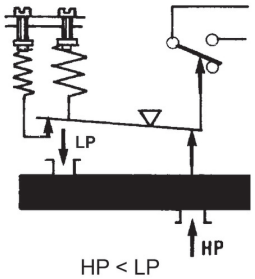


2 SPDT

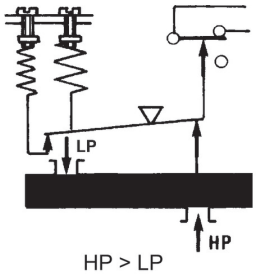
Principle







HP < LP



HP > LP

A flexible sensing element actuates a microswitch by means of a piston. The set point is adjusted by means of a compressible spring installed in opposition.
Set point and reset point must be between 10% and 90% of the selected scale.
Standard factory adjustment
Setpoint at 50% of the scale on falling pressure.
Customer specific factory adjustment (option SETP)
The following specifications have to be given with the order:
• Setpoint value
• Adjustment on falling or raising pressure
• Static pressure (except RDx6)
• Dead band value (as needed) when using an adjustable dead band switch

Adjustable ranges

Scale	Max ΔP	Max P Static	Code	Micro-switch dead band (1)							
				Adjustable dead band				Fixed dead band			
				A (B*) M (K*)		C(W*)		E(F*)		H D (V*) J	
				10%	90%	10%	90%	10%	90%	10%	90%
bar				bar				mbar		bar	
0.05... 0.5	0.5	7	211	0.09 - 0.3	0.1 - 0.3	0.15 - 0.4	0.2 - 0.4	25	30	0.11	0.12
0.05... 1	1	7	221	0.09 - 0.3	0.1 - 0.3	0.15 - 0.4	0.22 - 0.4	25	30	0.11	0.12
0.15... 0.5	0.5	20	214	0.14 - 0.5	0.18 - 0.5	N/A	N/A	55	60	0.17	0.22
0.15... 1	1	20	224	0.2 - 0.6	0.25 - 0.6	N/A	N/A	55	60	0.17	0.24
0.15... 4	4	20	234	0.21 - 1.5	0.27 - 1.5	0.65 - 2	0.8 - 2	55	65	0.17	0.3
0.8... 4	4	30	235	0.7 - 2.5	1.1 - 2.5	0.75 - 2.5	1.1 - 2.5	70	100	0.84	1.35
0.8... 10	10	30	245	0.7 - 2.5	1.1 - 2.5	0.75 - 2.5	1.1 - 2.5	70	100	0.84	1.35
1.5... 10	10	65	246	1.2 - 5	2.5 - 5	2.5 - 6	3.5 - 6	180	240	1.45	3
1.5... 20	20	65	256	1.2 - 5	2.5 - 5	2.5 - 6	3.5 - 6	180	240	1.45	3
2.5... 20	20	220	257	2.5 - 20	3.5 - 20	6 - 20	7 - 20	800	1000	3	4.2
2.5... 30	30	220	258	3 - 30	4 - 20	6 - 20	7 - 20	850	1000	3.5	4.8

*) For version with 2 microswitches lower values of the dead band must be multiplied x 1.5

(1) The value of the dead band is depending on the value of the set point. This table contains the dead band values for set point adjustment at 10% and 90% of the selected scale. For adjustable dead band the lower value corresponds to the dead band spring totally released and the higher corresponds to the dead band spring fully tensed. For other set points the dead band value can be calculated by linear interpolation between the values at 10% and 90%.

Micro switch characteristics

Switch code	A (B)	M (K)	C (W)	E (F)	H	D (V)	J
Type	Standard	Gold contact	Hermetic	Ultra sensitive	Manual reset	Ultra sensitive Hermetic	Manual reset
6 Vdc	0.4... 10 A	10... 50 mA	5 mA ... 4 A	0.4... 1 A	N/A	0.4... 4 A	N/A
12 Vdc	0.4... 10 A	10... 50 mA	5 mA ... 4 A	0.4... 1 A	N/A	0.4... 4 A	N/A
24 Vdc	0.4... 6 A	10... 50 mA	5 mA ... 4 A	0.4... 1 A	0.1... 8 A	0.4... 4 A	0.1... 8 A
30 Vdc	0.4... 6 A	10... 50 mA	5 mA ... 3 A	0.4... 1 A	0.1... 8 A	0.4... 2 A	0.1... 8 A
48 Vdc	0.4... 6 A	10... 50 mA	5 mA ... 3 A	N/A	N/A	N/A	N/A
110 Vdc	0.1... 0.5 A	10... 50 mA	5 mA ... 1 A	N/A	N/A	N/A	N/A
220 Vdc	0.1... 0.25 A	10... 50 mA	5 mA ... 0.5 A	N/A	N/A	N/A	N/A
115 Vac	0.4... 10 A	10... 50 mA	50 mA ... 3 A	0.4... 10 A	0.1... 10 A	N/A	0.1... 10 A
250 Vac	0.2... 10 A	N/A	50 mA ... 2.5 A	0.2 ... 10 A	0.1... 5 A	N/A	0.1... 5 A
Dielectric rigidity between contacts and ground	2000 V	2000 V	1500 V	2000 V	2000 V	1000 V	2000 V

RDN8

Differential pressure switch

RDN-###.###/

Ordering reference

Ordering key - Configuration possibilities see website

	RDN	-	8	#	#	.	###
Product							
RDN	RDN						
Measuring element							
Bellow or piston, st.steel			8				
Type of Microswitch							
1xSPDT, Standard				A			
simultaneous				B			
1xSPDT, hermetically				C			
simultaneous				W			
1xSPDT, ultra sensitive				E			
simultaneous				F			
1xSPDT hermetic/ultra sensit.?				D			
simultaneous				V			
1 gold contact changeover switch				M			
simultaneous				K			
1xSPDT, manually, falling				H			
1xSPDT, manually, rising				J			
Pneumatic type, NO				Z			
Pneumatic type, NC				Y			
Process connection							
G 1/2					3		
1/2 NPT					6		
1/4 NPT F					8		
Pressure range							
0.05 … 0.5 bar							211
0.05 … 1 bar							221
0.15 … 0.5 bar							214
0.15 … 1 bar							224
0.15 … 4 bar							234
0.8 … 4 bar							235
0.8 … 10 bar							245
1.5 … 10 bar							246
1.5 … 20 bar							256
2.5 … 20 bar							257
2.5 … 30 bar							258

Ordering example

	RDN	-	8	A	3	.	211	/	0765
Product									
RDN	RDN								
Measuring element									
Bellow or piston, st.steel			8						
Type of Microswitch									
1xSPDT, Standard				A					
Process connection									
G 1/2					3				
Pressure range									
0.05 … 0.5 bar							211		

Ordering reference

Ordering example

RDN	-	8	A	3	.	211	/	0765

Cleanliness

for oxygen applications free of oil and grease	0765

Options

Setpoint factory adjusted	SETP	Souriau connection	2298
For oxygen applications	0765	2.1 Certificate	Q001
Mounting on 2 pipe	0407	2.2 Certificate	Q002
stainless steel label wired*	9941	3.1 Material certificate	Q003
Setpoint adjust. lead sealed	8990	3.1 Certif. setpoints adjust.	Q011
Souriau mobile plug	2249		

Pressure switches

RDE4

Differential pressure switch, explosion proof

RDE-###.##

Overview

- Excellent repeatability
- Dead band adjustment for regulation
- Fix dead band for control
- Explosion proof Hazardous areas 1, 2, 21, 22

Picture similar

Technical data

Housing	
Protection rating (EN60529)	IP66
Case material	Type RA80 Explosion-proof and flame-proof Epoxy painted, Aluminium Captive stainless steel screws
Mounting	Wall mounting, 3 back lugs
Scale	Internal, accuracy on reading ± 5 % FS
Process	
Process connection	G1/2" 1/2" NPT 1/4" NPT female
Temperature	
Ambient temperature	-20°C ... +55°C (T6)
Storage temperature	-40°C ... +70°C
Media temperature	-15°C ... +150°C
Wetted parts	
Flange	Stainless steel 1.4404 / AISI 316L
Diaphragm	FKM (Viton)

Sensing / Input	
Min. measuring range	-2.5 ... 2.5 mbar
Max. measuring range	10 ... 400 mbar
Performance	
Repeatability	± 1 % FS
Adjustment	2 external adjustment screws on top of the case for set point and deadband When set point adjustment is required it is necessary to know the static pressure, as it has an influence on the set point.
Electrical data	
Ground connection	Via internal terminal block
Electrical connection	Via internal terminal block with metallic cable gland for Ø 7 to 12 mm
Approval / Conformities	
ATEX/IECEx Certificate	LCIE 03 ATEX 6231X (Type RA80) IECEx LCIE 15.0061X
ATEX/IECEx	Ex II 2 GD Further information can be found in the ATEX approval
CE conformity	ATEX directive 2014/34/UE

Remarks

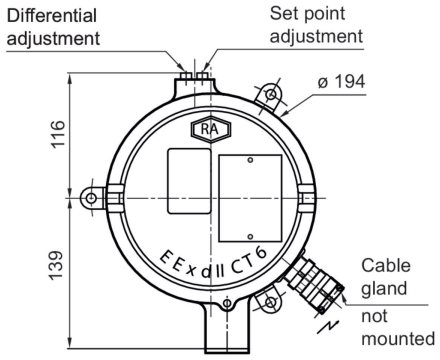
- These devices must be used as instruments that provide electrical information according to the value of the input variable. They are not intended to be used as a safety accessory. It is the responsibility of the user to check the compatibility of the device with its intended use.

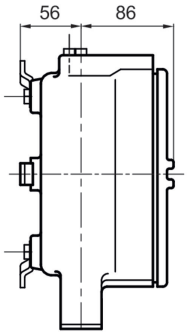
RDE4

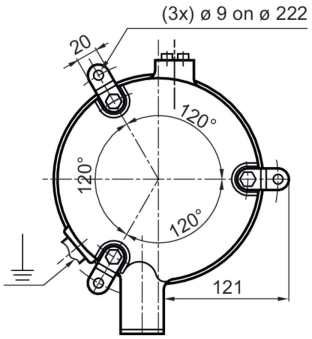
Differential pressure switch, explosion proof

RDE-###.##

Dimensional drawings (mm)

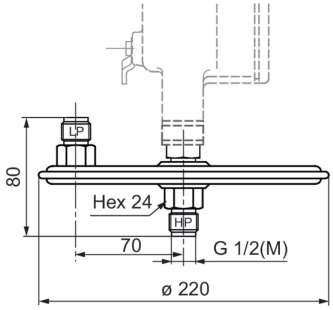


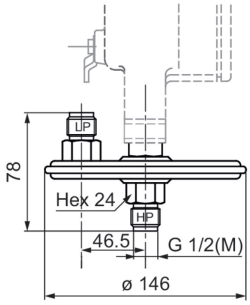




Weight: 4.4 kg

Weight: 4.4 kg

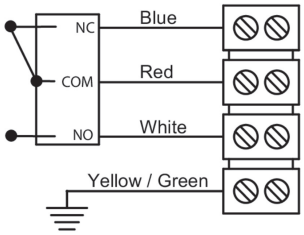




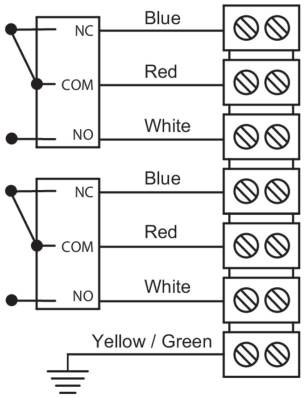
Pressure range codes: 110 - 111 - 121 - 131
Weight: 1.8 kg

Pressure range codes: 156 - 157
Weight: 1 kg

Electrical connection



1 SPDT



2 SPDT

Electrical connection

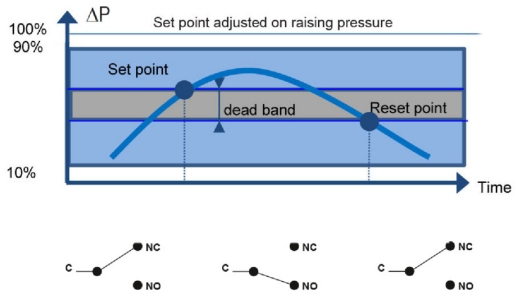
-20°C ≤ Ta ≤ +70°C	Dust IP6x	Gases
	T° surface	Class
Ta = 60°C	80°C	T6
Ta = 70°C	95°C	T5

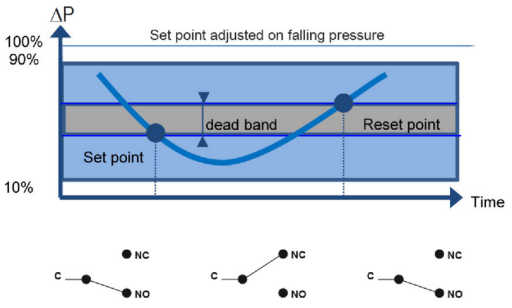
Important : Maximum power dissipation in the case must not exceed 5 W

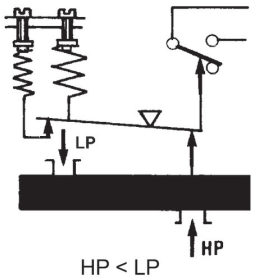
Hazardous areas: zone 1, 2, 21, 22

All necessary measures must be taken by the user, to avoid the calorific transfer from the fluid to the apparatus head increasing the head's temperature to such that it reaches the self-ignition temperature of the gas in which it is used.

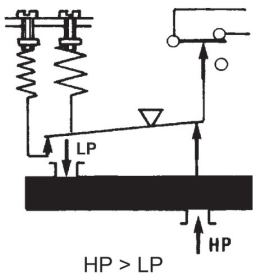
Principle







HP < LP



HP > LP

A flexible sensing element actuates a microswitch by means of a piston. The set point is adjusted by means of a compressible spring installed in opposition.
Set point and reset point must be between 10% and 90% of the selected scale.
Standard factory adjustment
Setpoint at 50% of the scale on falling pressure.
Customer specific factory adjustment (option SETP)
The following specifications have to be given with the order:
• Setpoint value
• Adjustment on falling or raising pressure
• Static pressure (except RDx6)
• Dead band value (as needed) when using an adjustable dead band switch

RDE4

Differential pressure switch, explosion proof

RDE-###.##

Adjustable ranges

Scale	Max ΔP	Max P Static	Code	Micro-switch dead band [1]							
				Adjustable dead band				Fixed dead band			
				A (B*) M (K*)		C(W*)		E(F*)		D (V*)	
mbar	mbar	bar		10%	90%	10%	90%	10%	90%	10%	90%
				mbar							
-2.5 ... 2.5	5	0.15	110	N/A	N/A	N/A	N/A	0.45	0.6	N/A	N/A
2 ... 10	10	0.15	111	1.8 - 15	2.4 - 15	6.7 - 15	6.7 - 15	0.45	0.6	2.25	3
2 ... 50	50	0.15	121	2.6 - 45	3.3 - 45	7.5 - 45	7.5 - 45	0.6	0.75	3	4.5
2 ... 100	100	0.15	131	2.6 - 60	3.7 - 60	8.2 - 60	15 - 60	0.75	1.05	3	4.5
10 ... 200	200	1	156	12 - 120	15.5 - 120	37 - 120	60 - 120	3.75	5.1	15	19.5
10 ... 400	400	1	157	22 - 225	30 - 225	45 - 225	67 - 225	6.75	9	27	36

*) For version with 2 microswitches lower values of the dead band must be multiplied x 1.5

(1) The value of the dead band is depending on the value of the set point. This table contains the dead band values for set point adjustment at 10% and 90% of the selected scale. For adjustable dead band the lower value corresponds to the dead band spring totally released and the higher corresponds to the dead band spring fully tensed. For other set points the dead band value can be calculated by linear interpolation between the values at 10% and 90%.

Micro switch characteristics

Switch code	A (B)	M (K)	C (W)	E (F)	D (V)
Type	Standard	Gold contact	Hermetic	Ultra sensitive	Ultra sensitive Hermetic
6 Vdc	0.4... 10 A	10... 50 mA	5 mA ... 4 A	0.4... 1 A	0.4... 4 A
12 Vdc	0.4... 10 A	10... 50 mA	5 mA ... 4 A	0.4... 1 A	0.4... 4 A
24 Vdc	0.4... 6 A	10... 50 mA	5 mA ... 4 A	0.4... 1 A	0.4... 4 A
30 Vdc	0.4... 6 A	10... 50 mA	5 mA ... 3 A	0.4... 1 A	0.4... 2 A
48 Vdc	0.4... 6 A	10... 50 mA	5 mA ... 3 A	N/A	N/A
110 Vdc	0.1... 0.5 A	10... 50 mA	5 mA ... 1 A	N/A	N/A
220 Vdc	0.1... 0.25 A	10... 50 mA	5 mA ... 0.5 A	N/A	N/A
115 Vac	0.4... 10 A	10... 50 mA	50 mA ... 3 A	0.4... 10 A	N/A
250 Vac	0.2... 10 A	N/A	50 mA ... 2.5 A	0.2 ... 10 A	N/A
Dielectric rigidity between contacts and ground	2000 V	2000 V	1500 V	2000 V	1000 V

RDE4

Differential pressure switch, explosion proof

RDE-###.##

Ordering reference

Ordering key - Configuration possibilities see website

	RDE	-	4	#	#	.	###
Product							
RDE	RDE						
Measuring element							
Membran, Viton® (≤400 mbar)			4				
Type of Microswitch							
1 gold contact changeover switch				M			
1xSPDT, Standard				A			
simultaneous				B			
1xSPDT, hermetically				C			
1xSPDT hermetic/ultra sensit.?				D			
1xSPDT, ultra sensitive				E			
simultaneous				F			
simultaneous				K			
simultaneous				V			
simultaneous				W			
Process connection							
G 1/2					3		
1/2 NPT					6		
1/4 NPT F					8		
Pressure range							
-2.5 … 2.5 mbar							110
2 … 10 mbar							111
2 … 50 mbar							121
2 … 100 mbar							131
10 … 200 mbar							156
10 … 400 mbar							157

Ordering example

	RDE	-	4	A	3	.	110
Product							
RDE	RDE						
Measuring element							
Membran, Viton® (≤400 mbar)			4				
Type of Microswitch							
1xSPDT, Standard				A			
Process connection							
G 1/2					3		
Pressure range							
-2.5 … 2.5 mbar							110

Options

Setpoint factory adjusted	SETP	2.1 Certificate	Q001
For oxygen applications	0765	2.2 Certificate	Q002
Mounting on 2 pipe	0407	3.1 Material certificate	Q003
stainless steel label wired*	9941	3.1 Certif. setpoints adjust.	Q011
Setpoint adjust. lead sealed	8990		

Pressure switches

RDE5

Differential pressure switch, explosion proof for high static pressure

RDE-###.###/

Overview

- Excellent repeatability
- Dead band adjustment for regulation
- Fix dead band for control
- High static pressure up to 80 bar
- Explosion proof Hazardous areas 1, 2, 21, 22

Picture similar

Technical data

Housing	
Protection rating (EN60529)	IP66
Case material	Type RA80 Explosion-proof and flame-proof Epoxy painted, Aluminium Captive stainless steel screws
Mounting	Wall mounting, 3 back lugs
Scale	Internal, accuracy on reading ± 5 % FS
Process	
Process connection	G1/2" G1/4" female, only for codes 161,162,163 1/2" NPT 1/4" NPT female
Temperature	
Ambient temperature	-25°C ... +55°C (T6)
Storage temperature	-40°C ... +70°C
Media temperature	-15°C ... +150°C
Wetted parts	
Flange	Stainless steel 1.4404 / AISI 316L
Diaphragm	Nitrile butyl rubber for 2 ... 100 mbar Viton for 10 ... 2000 mbar

Sensing / Input	
Min. measuring range	2 ... 10 mbar
Max. measuring range	10 ... 2000 mbar
Performance	
Repeatability	± 1 % FS
Adjustment	2 external adjustment screws on top of the case for set point and deadband When set point adjustment is required it is necessary to know the static pressure, as it has an influence on the set point.
Electrical data	
Ground connection	Via internal terminal block
Electrical connection	Via internal terminal block with metallic cable gland for Ø 7 to 12 mm
Approval / Conformities	
ATEX/IECEx Certificate	LCIE 03 ATEX 6231X (Type RA80) IECEx LCIE 15.0061X
ATEX/IECEx	Ex II 2 GD Further information can be found in the ATEX approval
CE conformity	ATEX directive 2014/34/UE

Remarks

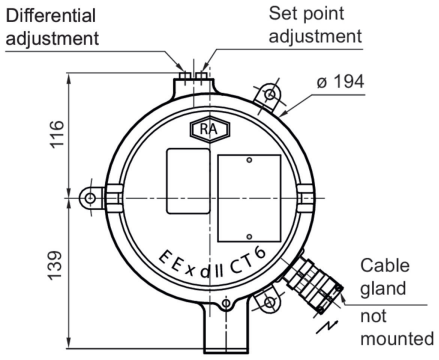
- These devices must be used as instruments that provide electrical information according to the value of the input variable. They are not intended to be used as a safety accessory. It is the responsibility of the user to check the compatibility of the device with its intended use.

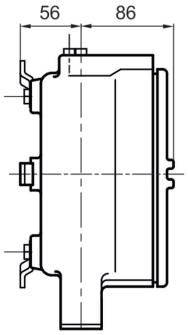
RDE5

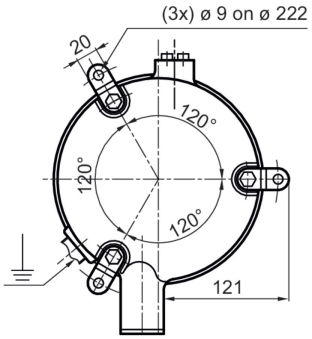
Differential pressure switch, explosion proof for high static pressure

RDE-###.###/

Dimensional drawings (mm)

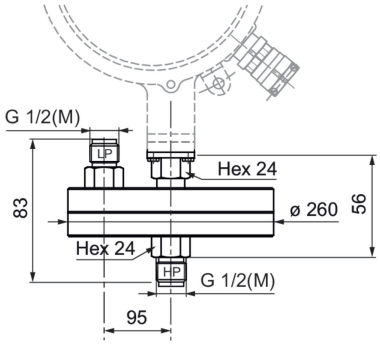


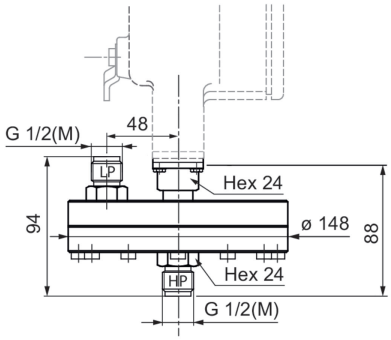


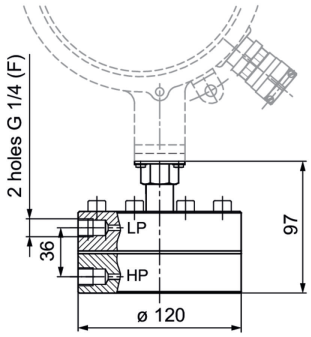


Weight: 4.4 kg

Weight: 4.4 kg





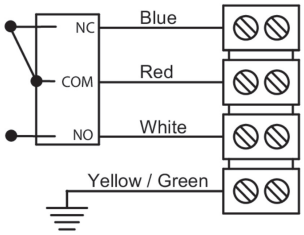


Pressure range codes: 111 - 112 - 121 - 131
Weight: 8.8 kg

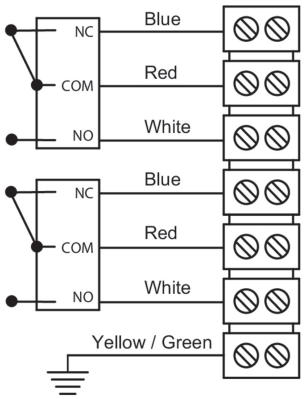
Pressure range codes: 156 - 157 - 158
Weight: 4.7 kg

Pressure range codes: 161-162-163
Weight: 5.4 kg

Electrical connection



1 SPDT



2 SPDT

RDE5

Differential pressure switch, explosion proof for high static pressure

RDE-###.###/

Electrical connection

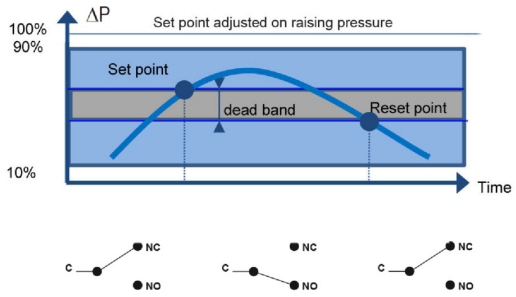
-20°C ≤ Ta ≤ +70°C	Dust IP6x	Gases
	T° surface	Class
Ta = 60°C	80°C	T6
Ta = 70°C	95°C	T5

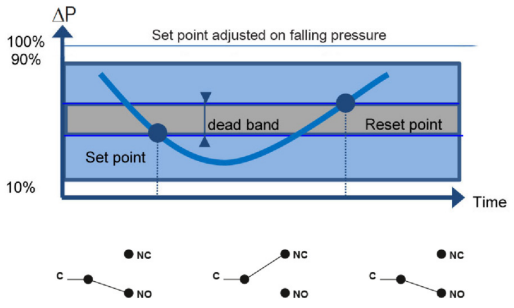
<u>Important</u> : Maximum power dissipation in the case must not exceed 5 W

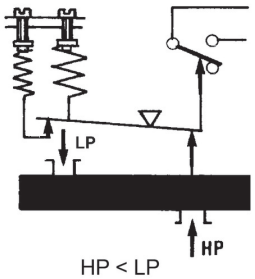
Hazardous areas: zone 1, 2, 21, 22

All necessary measures must be taken by the user, to avoid the calorific transfer from the fluid to the apparatus head increasing the head's temperature to such that it reaches the self-ignition temperature of the gas in which it is used.

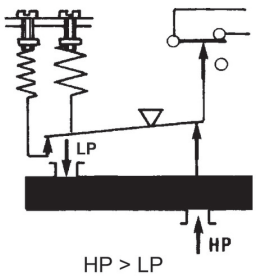
Principle







HP < LP



HP > LP

A flexible sensing element actuates a microswitch by means of a piston. The set point is adjusted by means of a compressible spring installed in opposition.
Set point and reset point must be between 10% and 90% of the selected scale.
Standard factory adjustment
Setpoint at 50% of the scale on falling pressure.
Customer specific factory adjustment (option SETP)
The following specifications have to be given with the order:
• Setpoint value
• Adjustment on falling or raising pressure
• Static pressure (except RDx6)
• Dead band value (as needed) when using an adjustable dead band switch

RDE5

Differential pressure switch, explosion proof for high static pressure

RDE-###.###/

Adjustable ranges

Scale	Max ΔP	Max P Static	Code	Micro-switch dead band [1]							
				Adjustable dead band				Fixed dead band			
				N (T*) A (B*) M (K*)		C(W*)		E(F*)		D (V*)	
mbar	mbar	bar		10%	90%	10%	90%	10%	90%	10%	90%
				mbar							
2 ... 10	10	0 ... 5	111	1.8 - 15	2.4 - 15	6.7 - 15	6.7 - 15	0.45	0.6	2.25	3
2 ... 20	50	0 ... 5	112	2.6 - 30	3.3 - 30	7.5 - 30	8 - 30	0.6	0.75	3	4.5
2 ... 50	50	0 ... 5	121	2.6 - 40	3.3 - 40	7.5 - 40	8 - 40	0.6	0.75	3	4.5
2 ... 100	100	0 ... 5	131	2.6 - 60	3.7 - 60	8.2 - 60	15 - 60	0.75	1.05	3	4.5
10 ... 200	200	5.5 ... 50	156	12 - 120	15.5 - 120	52 - 120	67 - 120	3.75	5.1	15	19.5
10 ... 400	400	5.5 ... 50	157	22 - 225	30 - 225	60 - 225	75 - 225	6.75	9	27	36
10 ... 1000	1000	5.5 ... 50	158	27 -225	33 - 225	67 - 225	90 - 225	7.5	10.5	33	40
10 ... 700	700	5.5 ... 80	161**	30 - 300	45 - 300	90 - 525	135 - 525	9	12	36	54
10 ... 1500	1500	5.5 ... 80	162**	30 - 450	45 - 450	90 - 525	150 - 525	9	12	36	54
10 ... 2000	2000	5.5 ... 80	163**	40 - 450	90 - 450	135 - 525	300 - 525	13	18	54	108

(*) For version with 2 microswitches lower values of the dead band must be multiplied x 1.5
(**) G 1/4 female only

(1)
The value of the dead band is depending on the value of the set point. This table contains the dead band values for set point adjustment at 10% and 90% of the selected scale. For adjustable dead band the lower value corresponds to the dead band spring totally released and the higher corresponds to the dead band spring fully tensed. For other set points the dead band value can be calculated by linear interpolation between the values at 10% and 90%.

Micro switch characteristics

Switch code	A (B)	M (K)	C (W)	E (F)	D (V)
Type	Standard	Gold contact	Hermetic	Ultra sensitive	Ultra sensitive Hermetic
6 Vdc	0.4... 10 A	10... 50 mA	5 mA ... 4 A	0.4... 1 A	0.4... 4 A
12 Vdc	0.4... 10 A	10... 50 mA	5 mA ... 4 A	0.4... 1 A	0.4... 4 A
24 Vdc	0.4... 6 A	10... 50 mA	5 mA ... 4 A	0.4... 1 A	0.4... 4 A
30 Vdc	0.4... 6 A	10... 50 mA	5 mA ... 3 A	0.4... 1 A	0.4... 2 A
48 Vdc	0.4... 6 A	10... 50 mA	5 mA ... 3 A	N/A	N/A
110 Vdc	0.1... 0.5 A	10... 50 mA	5 mA ... 1 A	N/A	N/A
220 Vdc	0.1... 0.25 A	10... 50 mA	5 mA ... 0.5 A	N/A	N/A
115 Vac	0.4... 10 A	10... 50 mA	50 mA ... 3 A	0.4... 10 A	N/A
250 Vac	0.2... 10 A	N/A	50 mA ... 2.5 A	0.2 ... 10 A	N/A
Dielectric rigidity between contacts and ground	2000 V	2000 V	1500 V	2000 V	1000 V

RDE5

Differential pressure switch, explosion proof for high static pressure

RDE-###.###/

Ordering reference

Ordering key - Configuration possibilities see website

	RDE	-	5	#	#	.	###
Product							
RDE	RDE						
Measuring element							
Membran, Viton® od. NBR			5				
Type of Microswitch							
1xSPDT, Standard				A			
simultaneous				B			
1xSPDT, hermetically				C			
simultaneous				W			
1xSPDT, ultra sensitive				E			
simultaneous				F			
1xSPDT hermetic/ultra sensit.?				D			
simultaneous				V			
1 gold contact changeover switch				M			
simultaneous				K			
Process connection							
G 1/4 Internal Screw					H		
G 1/2					3		
1/2 NPT					6		
1/4 NPT F					8		
Pressure range							
2 … 10 mbar							111
2 … 20 mbar							112
2 … 50 mbar							121
2 … 100 mbar							131
10 … 200 mbar							156
10 … 400 mbar							157
10 … 1000 mbar							158
10 … 700 mbar							161
10 … 1500 mbar							162
10 … 2000 mbar							163

Ordering example

	RDE	-	5	A	H	.	161	/	0765
Product									
RDE	RDE								
Measuring element									
Membran, Viton® od. NBR			5						
Type of Microswitch									
1xSPDT, Standard				A					
Process connection									
G 1/4 Internal Screw					H				
Pressure range									
10 … 700 mbar							161		
Cleanliness									
for oxygen applications free of oil and grease									0765

RDE5

Differential pressure switch, explosion proof for high static pressure

RDE-###.###/

Options			
Setpoint factory adjusted	SETP	2.1 Certificate	Q001
For oxygen applications	0765	2.2 Certificate	Q002
Mounting on 2 pipe	0407	3.1 Material certificate	Q003
stainless steel label wired*	9941	3.1 Certif. setpoints adjust.	Q011
Setpoint adjust. lead sealed	8990		

Pressure switches

RDE6

Differential pressure switch, explosion proof for variable static pressure

RDE-###.###/

Overview

- Excellent repeatability
- Dead band adjustment for regulation
- Fix dead band for control
- Static pressure max. 20 bar
- No influence of the static pressure on the setpoint
- Explosion proof Hazardous areas 1, 2, 21, 22

Picture similar

Technical data

Housing	
Protection rating (EN60529)	IP66
Case material	Type RA80 Explosion-proof and flame-proof Epoxy painted, Aluminium Captive stainless steel screws
Mounting	Wall mounting, 3 back lugs
Scale	Internal, accuracy on reading ± 5 % FS
Process	
Process connection	G1/2" G1/4" female, only for codes 161,162,163 1/2" NPT 1/4" NPT female
Temperature	
Ambient temperature	-20°C ... +55°C (T6)
Storage temperature	-40°C ... +70°C
Media temperature	-15°C ... +150°C
Wetted parts	
Flange	Stainless steel 1.4404 / AISI 316L
Diaphragm	FKM (Viton)

Sensing / Input	
Min. measuring range	10 ... 200 mbar
Max. measuring range	10 ... 2000 mbar
Performance	
Repeatability	± 1 % FS
Adjustment	2 external adjustment screws on top of the case for set point and deadband The adjustment is not influenced by changes of the static pressure
Electrical data	
Ground connection	Via internal terminal block
Electrical connection	Via internal terminal block with metallic cable gland for Ø 7 to 12 mm
Approval / Conformities	
ATEX/IECEx Certificate	LCIE 03 ATEX 6231X (Type RA80) IECEx LCIE 15.0061X
ATEX/IECEx	Ex II 2 GD Further information can be found in the ATEX approval
CE conformity	ATEX directive 2014/34/UE

Remarks

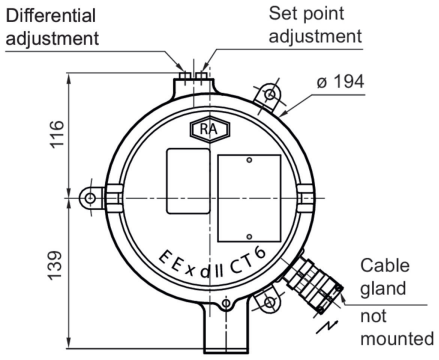
- These devices must be used as instruments that provide electrical information according to the value of the input variable. They are not intended to be used as a safety accessory. It is the responsibility of the user to check the compatibility of the device with its intended use.

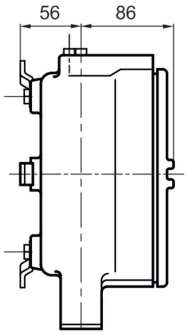
RDE6

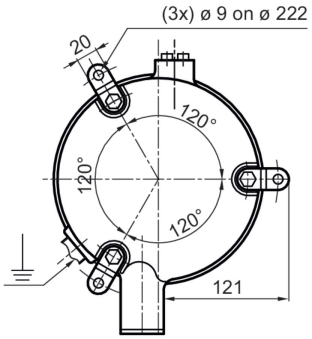
Differential pressure switch, explosion proof for variable static pressure

RDE-###.###/

Dimensional drawings (mm)

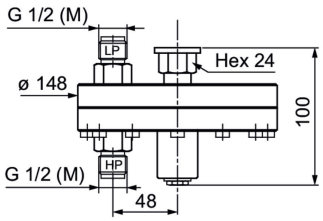


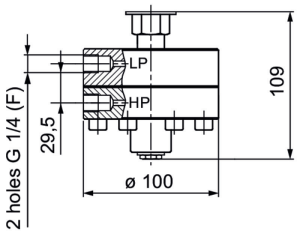




Weight: 4.4 kg

Weight: 4.4 kg

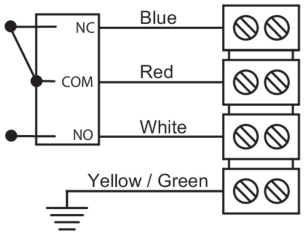




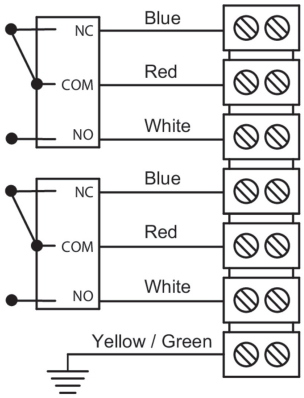
Pressure range codes: 156-157-158
Weight: 4.4 kg

Pressure range codes: 161 - 162 - 163
Weight: 3.3 kg

Electrical connection



1 SPDT



2 SPDT

RDE6

Differential pressure switch, explosion proof for variable static pressure

RDE-###.###/

Electrical connection

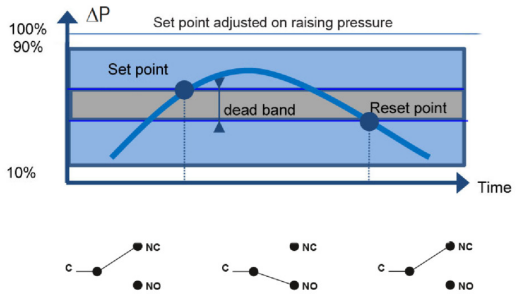
-20°C ≤ Ta ≤ +70°C	Dust IP6x	Gases
	T° surface	Class
Ta = 60°C	80°C	T6
Ta = 70°C	95°C	T5

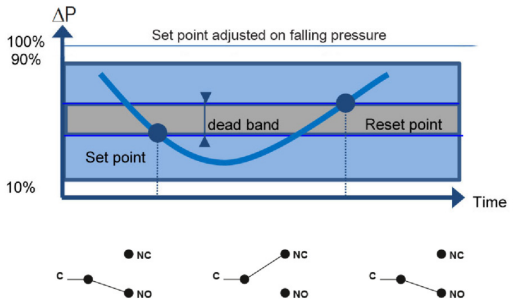
Important : Maximum power dissipation in the case must not exceed 5 W

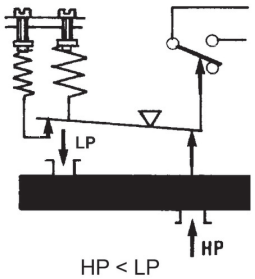
Hazardous areas: zone 1, 2, 21, 22

All necessary measures must be taken by the user, to avoid the calorific transfer from the fluid to the apparatus head increasing the head's temperature to such that it reaches the self-ignition temperature of the gas in which it is used.

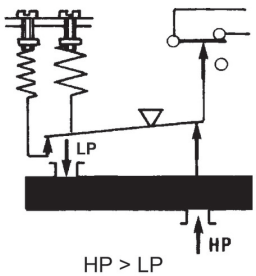
Principle







HP < LP



HP > LP

A flexible sensing element actuates a microswitch by means of a piston. The set point is adjusted by means of a compressible spring installed in opposition.
Set point and reset point must be between 10% and 90% of the selected scale.
Standard factory adjustment
Setpoint at 50% of the scale on falling pressure.
Customer specific factory adjustment (option SETP)
The following specifications have to be given with the order:
• Setpoint value
• Adjustment on falling or raising pressure
• Static pressure (except RDx6)
• Dead band value (as needed) when using an adjustable dead band switch

RDE6

Differential pressure switch, explosion proof for variable static pressure

RDE-###.###/

Adjustable ranges

Scale	Max ΔP	Max P Static	Code	Micro-switch dead band (1)							
				Adjustable dead band				Fixed dead band			
				A (B*) M (K*)		C(W*)		E(F*)		D (V*)	
mbar	mbar	bar		10%	90%	10%	90%	10%	90%	10%	90%
				mbar							
10 ... 200	200	20	**156**	12 - 120	15.5 - 120	52 - 120	67 - 120	3.75	5.1	15	19.5
10 ... 400	400	20	**157**	22 - 225	30 - 225	60 - 225	75 - 225	6.75	9	27	36
10 ... 1000	1000	20	**158**	27 - 225	33 - 225	67 - 225	90 - 225	7.5	10.5	33	40
10 ... 700	700	20	**161****	45 - 375	67 - 375	195 - 675	225 - 675	19.5	22.5	54	81
10 ... 1500	1500	20	**162****	45 - 450	67 - 450	195 - 675	225 - 675	19.5	22.5	54	81
10 ... 2000	2000	20	**163****	67 - 450	135 - 450	270 - 675	450 - 675	27	37.5	81	162

(*) For version with 2 microswitches lower values of the dead band must be multiplied x 1.5
(**) G 1/4 female only

(1)
The value of the dead band is depending on the value of the set point.This table contains the dead band values for set point adjustment at 10% and 90% of the selected scale. For adjustable dead band the lower value corresponds to the dead and spring totally released and the higher corresponds to the dead band spring fully tensed. For other set points the dead band value can be calculated by linear interpolation between the values at 10% and 90%.

Micro switch characteristics

Switch code	A (B)	M (K)	C (W)	E (F)	D (V)
Type	Standard	Gold contact	Hermetic	Ultra sensitive	Ultra sensitive Hermetic
6 Vdc	0.4... 10 A	10... 50 mA	5 mA ... 4 A	0.4... 1 A	0.4... 4 A
12 Vdc	0.4... 10 A	10... 50 mA	5 mA ... 4 A	0.4... 1 A	0.4... 4 A
24 Vdc	0.4... 6 A	10... 50 mA	5 mA ... 4 A	0.4... 1 A	0.4... 4 A
30 Vdc	0.4... 6 A	10... 50 mA	5 mA ... 3 A	0.4... 1 A	0.4... 2 A
48 Vdc	0.4... 6 A	10... 50 mA	5 mA ... 3 A	N/A	N/A
110 Vdc	0.1... 0.5 A	10... 50 mA	5 mA ... 1 A	N/A	N/A
220 Vdc	0.1... 0.25 A	10... 50 mA	5 mA ... 0.5 A	N/A	N/A
115 Vac	0.4... 10 A	10... 50 mA	50 mA ... 3 A	0.4... 10 A	N/A
250 Vac	0.2... 10 A	N/A	50 mA ... 2.5 A	0.2 ... 10 A	N/A
Dielectric rigidity between contacts and ground	2000 V	2000 V	1500 V	2000 V	1000 V

RDE6

Differential pressure switch, explosion proof for variable static pressure

RDE-###.###/

Ordering reference

Ordering key - Configuration possibilities see website

	RDE	-	6	#	#	.	###
Product							
RDE	RDE						
Measuring element							
Membran, Viton® (≤ 2 bar)			6				
Type of Microswitch							
1xSPDT, Standard				A			
simultaneous				B			
1xSPDT, hermetically				C			
simultaneous				W			
1xSPDT, ultra sensitive				E			
simultaneous				F			
1xSPDT hermetic/ultra sensit.?				D			
simultaneous				V			
1 gold contact changeover switch				M			
simultaneous				K			
Process connection							
G 1/4 Internal Screw					H		
G 1/2					3		
1/2 NPT					6		
1/4 NPT F					8		
Pressure range							
10 … 200 mbar							156
10 … 400 mbar							157
10 … 1000 mbar							158
10 … 700 mbar							161
10 … 1500 mbar							162
10 … 2000 mbar							163

Ordering example

	RDE	-	6	A	H	.	161	/	0765
Product									
RDE	RDE								
Measuring element									
Membran, Viton® (≤ 2 bar)			6						
Type of Microswitch									
1xSPDT, Standard				A					
Process connection									
G 1/4 Internal Screw					H				
Pressure range									
10 … 700 mbar							161		
Cleanliness									
for oxygen applications free of oil and grease									0765

RDE6

Differential pressure switch, explosion proof for variable static pressure

RDE-###.###/

Options			
Setpoint factory adjusted	SETP	2.1 Certificate	Q001
For oxygen applications	0765	2.2 Certificate	Q002
Mounting on 2 pipe	0407	3.1 Material certificate	Q003
stainless steel label wired*	9941	3.1 Certif. setpoints adjust.	Q011
Setpoint adjust. lead sealed	8990		

Pressure switches

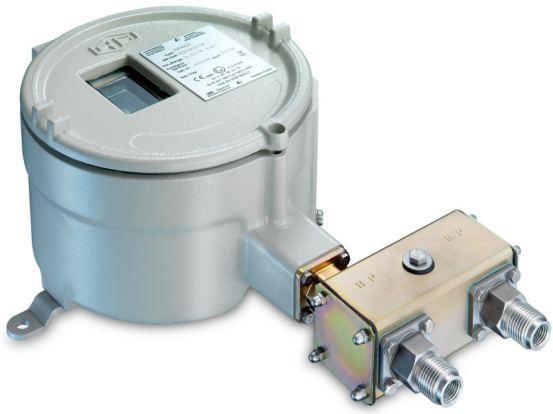
RDE8

Differential pressure switch, explosion proof

RDE-###.###/

Overview

- Excellent repeatability
- Dead band adjustment for regulation
- Fix dead band for control
- Explosion proof Hazardous areas 1, 2, 21, 22



Picture similar

Technical data

Housing	
Protection rating (EN60529)	IP66
Case material	Type RA80 Explosion-proof and flame-proof Epoxy painted, Aluminium Captive stainless steel screws
Mounting	Wall mounting, 3 back lugs
Scale	Internal, accuracy on reading ± 5 % FS
Process	
Process connection	G1/2" 1/2" NPT 1/4" NPT female
Temperature	
Ambient temperature	-20°C ... +55°C (T6)
Storage temperature	-40°C ... +70°C
Media temperature	-50°C ... +200°C
Wetted parts	
Bellow	Stainless steel 1.4404 / AISI 316L Stainless steel 1.4432 / AISI 316L

Sensing / Input	
Min. measuring range	0.05 ... 0.5 bar
Max. measuring range	2.5 ... 30 bar
Performance	
Repeatability	± 1 % FS
Adjustment	2 external adjustment screws on top of the case for set point and deadband When set point adjustment is required it is necessary to know the static pressure, as it has an influence on the set point.
Electrical data	
Ground connection	Via internal terminal block
Electrical connection	Via internal terminal block with metallic cable gland for Ø 7 to 12 mm
Approval / Conformities	
ATEX/IECEx Certificate	LCIE 03 ATEX 6231X (Type RA80) IECEx LCIE 15.0061X
ATEX/IECEx	Ex II 2 GD Further information can be found in the ATEX approval
CE conformity	ATEX directive 2014/34/UE

Remarks

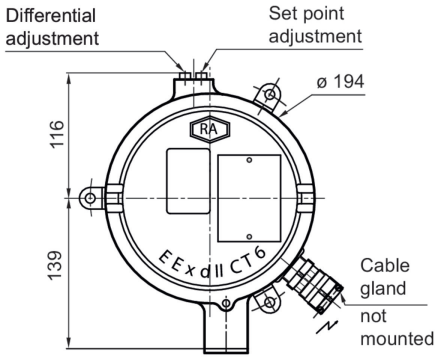
- These devices must be used as instruments that provide electrical information according to the value of the input variable. They are not intended to be used as a safety accessory. It is the responsibility of the user to check the compatibility of the device with its intended use.

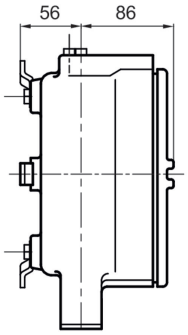
RDE8

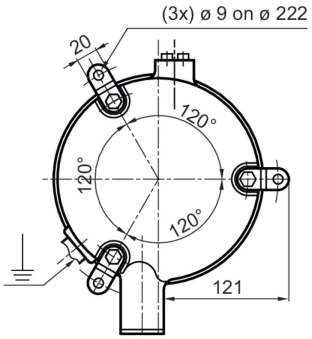
Differential pressure switch, explosion proof

RDE-###.###/

Dimensional drawings (mm)

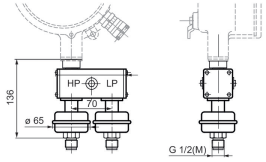




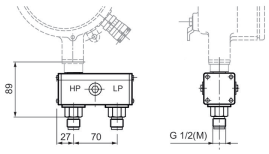


Weight: 4.4 kg

Weight: 4.4 kg

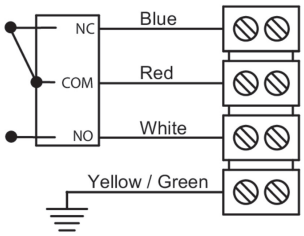


Pressure range codes: 211 - 221
Weight: 1.6 kg

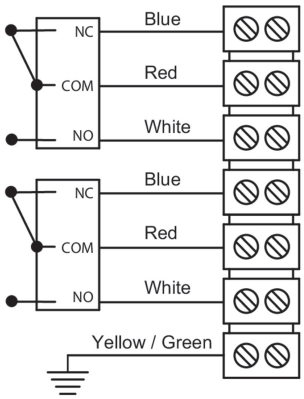


Pressure range codes: 214 - 224 - 234 - 235 - 245 - 246 - 256 - 257 - 258
Weight: 1.2 kg

Electrical connection



1 SPDT



2 SPDT

Electrical connection

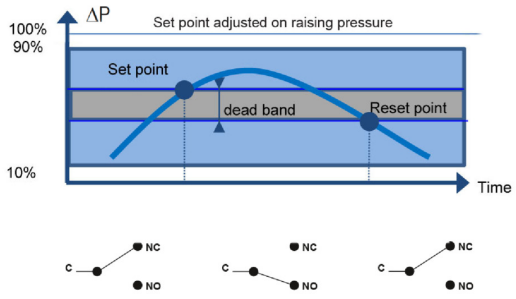
-20°C ≤ Ta ≤ +70°C	Dust IP6x	Gases
	T° surface	Class
Ta = 60°C	80°C	T6
Ta = 70°C	95°C	T5

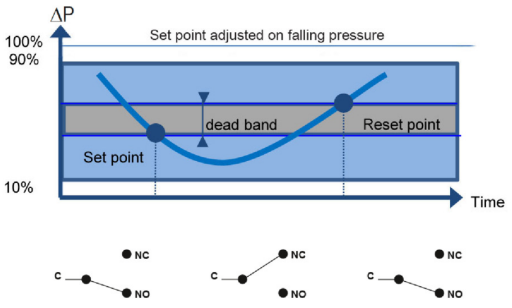
Important : Maximum power dissipation in the case must not exceed 5 W

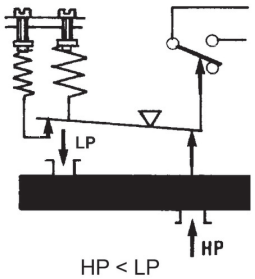
Hazardous areas: zone 1, 2, 21, 22

All necessary measures must be taken by the user, to avoid the calorific transfer from the fluid to the apparatus head increasing the head's temperature to such that it reaches the self-ignition temperature of the gas in which it is used.

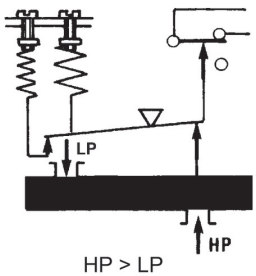
Principle







HP < LP



HP > LP

A flexible sensing element actuates a microswitch by means of a piston. The set point is adjusted by means of a compressible spring installed in opposition.
Set point and reset point must be between 10% and 90% of the selected scale.
Standard factory adjustment
Setpoint at 50% of the scale on falling pressure.
Customer specific factory adjustment (option SETP)
The following specifications have to be given with the order:
• Setpoint value
• Adjustment on falling or raising pressure
• Static pressure (except RDx6)
• Dead band value (as needed) when using an adjustable dead band switch

RDE8

Differential pressure switch, explosion proof

RDE-###.###/

Adjustable ranges

Scale	Max ΔP	Max P Static	Code	Micro-switch dead band (1)							
				Adjustable dead band				Fixed dead band			
				A (B*) M (K*)		C(W*)		E(F*)		D (V*)	
				10%	90%	10%	90%	10%	90%	10%	90%
bar				bar				mbar		bar	
0.05... 0.5	0.5	7	211	0.13 - 0.45	0.15 - 0.45	0.22 - 0.6	0.3 - 0.6	37.5	45	0.17	0.18
0.05... 1	1	7	221	0.13 - 0.45	0.15 - 0.45	0.22 - 0.75	0.33 - 0.75	37.5	45	0.17	0.18
0.15... 0.5	0.5	20	214	0.22 - 0.75	0.27 - 0.75	N/A	N/A	82.5	90	0.26	0.33
0.15... 1	1	20	224	0.22 - 0.9	0.3 - 0.9	N/A	N/A	82.5	90	0.26	0.36
0.15... 4	4	20	234	0.22 - 2.2	0.37 - 2.2	0.97 - 3	1.2 - 3	82.5	97.5	0.26	0.4
0.8... 4	4	30	235	1 - 3.7	1.6 - 3.7	1.12 - 3.7	1.6 - 3.7	105	150	1.26	2.03
0.8... 10	10	30	245	1 - 3.7	1.6 - 3.7	1.12 - 3.7	1.6 - 3.7	105	150	1.26	2.03
1.5... 10	10	65	246	1.8 - 7.5	3.7 - 7.5	3.7 - 9	5.2 - 9	270	360	2.18	4.5
1.5... 20	20	65	256	1.8 - 7.5	3.7 - 7.5	3.7 - 9	5.2 - 9	270	360	2.18	4.5
2.5... 20	20	220	257	3.7 - 20	5.2 - 20	9 - 20	10 - 20	1200	1500	4.5	6.3
2.5... 30	30	220	258	4.5 - 30	6 - 30	9 - 30	10 - 30	1275	1500	5.4	7.2

*) For version with 2 microswitches lower values of the dead band must be multiplied x 1.5

(1) The value of the dead band is depending on the value of the set point. This table contains the dead band values for set point adjustment at 10% and 90% of the selected scale. For adjustable dead band the lower value corresponds to the dead band spring totally released and the higher corresponds to the dead band spring fully tensed. For other set points the dead band value can be calculated by linear interpolation between the values at 10% and 90%.

Micro switch characteristics

Switch code	A (B)	M (K)	C (W)	E (F)	D (V)
Type	Standard	Gold contact	Hermetic	Ultra sensitive	Ultra sensitive Hermetic
6 Vdc	0.4... 10 A	10... 50 mA	5 mA ... 4 A	0.4... 1 A	0.4... 4 A
12 Vdc	0.4... 10 A	10... 50 mA	5 mA ... 4 A	0.4... 1 A	0.4... 4 A
24 Vdc	0.4... 6 A	10... 50 mA	5 mA ... 4 A	0.4... 1 A	0.4... 4 A
30 Vdc	0.4... 6 A	10... 10 mA	5 mA ... 3 A	0.4... 1 A	0.4... 2 A
48 Vdc	0.4... 6 A	10... 50 mA	5 mA ... 3 A	N/A	N/A
110 Vdc	0.1... 0.5 A	10... 50 mA	5 mA ... 1 A	N/A	N/A
220 Vdc	0.1... 0.25 A	10... 50 mA	5 mA ... 0.5 A	N/A	N/A
115 Vac	0.4... 10 A	10... 50 mA	50 mA ... 3 A	0.4... 10 A	N/A
250 Vac	0.2... 10 A	N/A	50 mA ... 2.5 A	0.2 ... 10 A	N/A
Dielectric rigidity between contacts and ground	2000 V	2000 V	1500 V	2000 V	1000 V

RDE8

Differential pressure switch, explosion proof

RDE-###.###/

Ordering reference

Ordering key - Configuration possibilities see website

	RDE	-	8	#	#	.	###
Product							
RDE	RDE						
Measuring element							
Bellow or piston, st.steel			8				
Type of Microswitch							
1xSPDT, Standard				A			
simultaneous				B			
1xSPDT, hermetically				C			
simultaneous				W			
1xSPDT, ultra sensitive				E			
simultaneous				F			
1xSPDT hermetic/ultra sensit.?				D			
simultaneous				V			
1 gold contact changeover switch				M			
simultaneous				K			
Process connection							
G 1/2					3		
1/2 NPT					6		
1/4 NPT F					8		
Pressure range							
0.05 … 0.5 bar							211
0.05 … 1 bar							221
0.15 … 0.5 bar							214
0.15 … 1 bar							224
0.15 … 4 bar							234
0.8 … 4 bar							235
0.8 … 10 bar							245
1.5 … 10 bar							246
1.5 … 20 bar							256
2.5 … 20 bar							257
2.5 … 30 bar							258

Ordering example

	RDE	-	8	A	3	.	211	/	0765
Product									
RDE	RDE								
Measuring element									
Bellow or piston, st.steel			8						
Type of Microswitch									
1xSPDT, Standard				A					
Process connection									
G 1/2					3				
Pressure range									
0.05 … 0.5 bar							211		
Cleanliness									
for oxygen applications free of oil and grease									0765

Options			
Setpoint factory adjusted	SETP	2.1 Certificate	Q001
For oxygen applications	0765	2.2 Certificate	Q002
Mounting on 2 pipe	0407	3.1 Material certificate	Q003
stainless steel label wired*	9941	3.1 Certif. setpoints adjust.	Q011
Setpoint adjust. lead sealed	8990		

Pressure switches

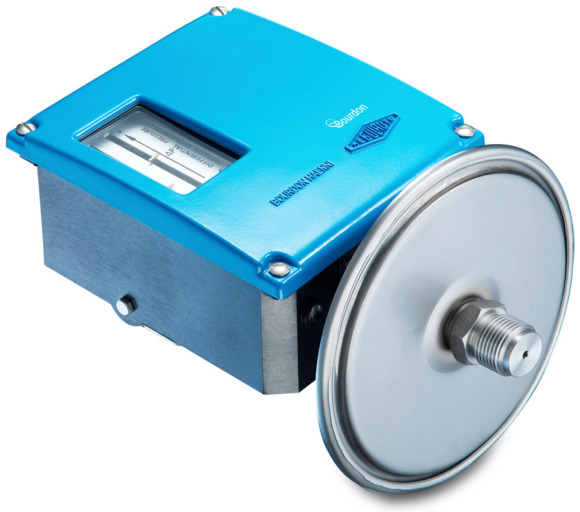
RDY4

Differential pressure switch with intrinsic safety

RDY-4##.##

Overview

- Excellent repeatability
- Dead band adjustment for regulation
- Fix dead band for control
- Intrinsic safety Hazardous area 0, 1, 2



Picture similar

Technical data

Housing	
Protection rating (EN60529)	IP66
Cover	Blue painted, zamak Captive stainless steel screws
Case material	Black painted, zamak
Mounting	Wall mounting bracket
Scale	Internal, accuracy on reading ± 5 % FS
Process	
Process connection	G1/2" 1/4" NPT female 1/2" NPT
Process connection material	Stainless steel 1.4404 / AISI 316L
Temperature	
Ambient temperature	-25°C ... +55°C (T6)
Storage temperature	-40°C ... +70°C
Media temperature	-15°C ... +150°C
Wetted parts	
Flange	Stainless steel 1.4404 / AISI 316L
Diaphragm	FKM (Viton)

Sensing / Input	
Min. measuring range	2 ... 10 mbar
Max. measuring range	10 ... 400 mbar
Performance	
Repeatability	± 1 % FS
Adjustment	2 external adjustment screws on top of the case for set point and deadband When set point adjustment is required it is necessary to know the static pressure, as it has an influence on the set point.
Electrical data	
Ground connection	Via internal terminal block
Electrical connection	Via internal terminal block with plastic cable gland for Ø 7 to 10.5 mm
Approval / Conformities	
ATEX/IECEx Certificate	LCIE 03 ATEX 6123X IECEx LCIE 15.0060X
ATEX/IECEx	Ex I M1 Ex II 1 G Further information can be found in the ATEX approval
CE conformity	ATEX directive 2014/34/UE

Remarks

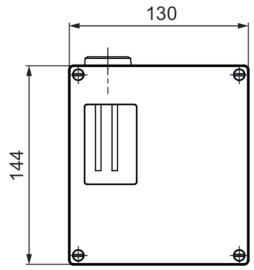
- These devices must be used as instruments that provide electrical information according to the value of the input variable. They are not intended to be used as a safety accessory. It is the responsibility of the user to check the compatibility of the device with its intended use.

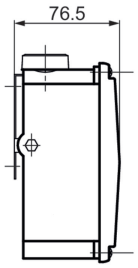
RDY4

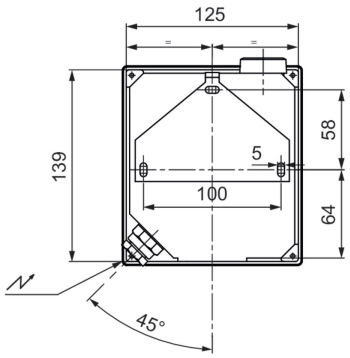
Differential pressure switch with intrinsic safety

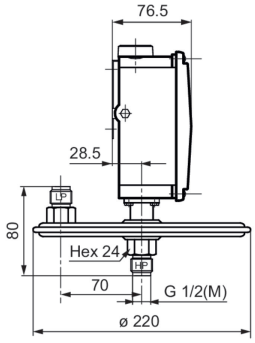
RDY-4###.##

Dimensional drawings (mm)

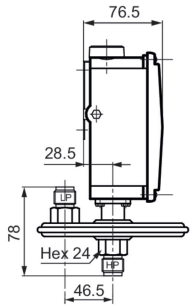






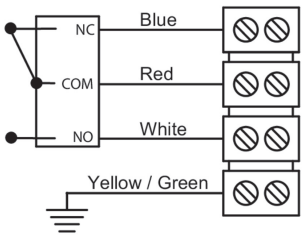


Pressure range codes: 111 - 121 - 131
Weight: 3 kg

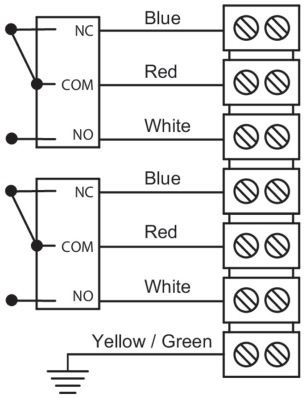


Pressure range codes: 156 - 157
Weight: 2.8 kg

Electrical connection



1 SPDT



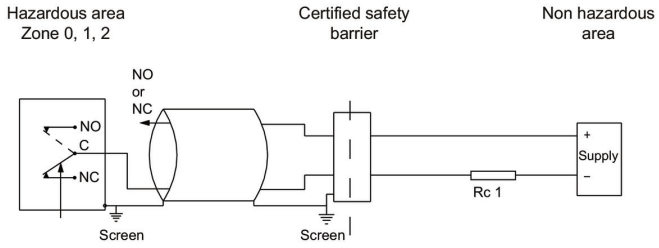
2 SPDT

RDY4

Differential pressure switch with intrinsic safety

RDY-4##.##

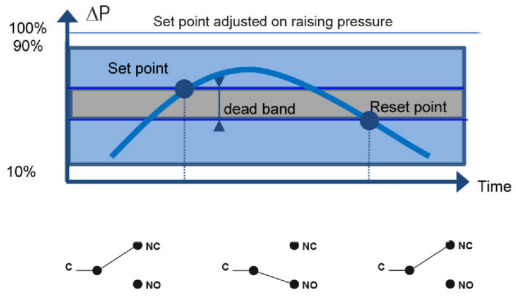
Electrical connection

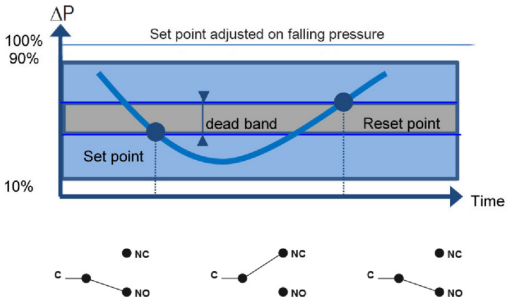


For max. ambient temperature according to temperature classes T5 and T6 refer to technical data.
The installation must be made in an intrinsically safe circuit whose certified electrical safety parameters do not exceed any of the values Umax,Imax and Pmax given in the electrical data.

All necessary measures must be taken by the user, to avoid the calorific transfer from the fluid to the apparatus head increasing the head's temperature to such that it reaches the self-ignition temperature of the gas in which it is used.

Principle



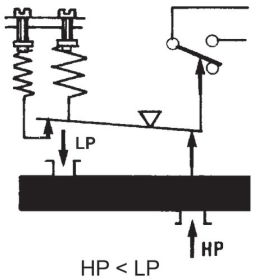


RDY4

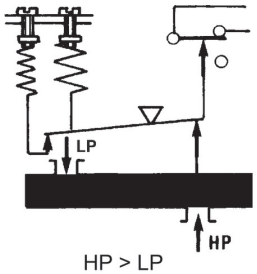
Differential pressure switch with intrinsic safety

RDY-4##.##

Principle



HP < LP



HP > LP

A flexible sensing element actuates a microswitch by means of a piston. The set point is adjusted by means of a compressible spring installed in opposition.
Set point and reset point must be between 10% and 90% of the selected scale.
Standard factory adjustment
Setpoint at 50% of the scale on falling pressure.
Customer specific factory adjustment (option SETP)
The following specifications have to be given with the order:
• Setpoint value
• Adjustment on falling or raising pressure
• Static pressure (except RDx6)
• Dead band value (as needed) when using an adjustable dead band switch

Adjustable ranges

Scale	Max ΔP	Max P Static	Code	Micro-switch dead band (1)					
				Adjustable dead band				Fixed dead band	
				M (K*)		C(W*)		S	
				10%	90%	10%	90%	10%	90%
mbar	mbar	bar		mbar					
2 ... 10	10	0.15	111	1.2 - 10	1.6 - 10	4.5 - 10	4.5 - 10	0.7	1.2
2 ... 50	50	0.15	121	1.7 - 30	2.2 - 30	5 - 30	5.5 - 30	0.9	1.4
2 ... 100	100	0.15	131	1.7 - 40	2.5 - 40	5.5 - 40	10 - 40	1.2	2
10 ... 200	200	1	156	8 - 80	10.5 - 80	25 - 80	40 - 80	5.8	9.5
10 ... 400	400	1	157	15 - 150	20 - 150	30 - 150	45 - 150	10.5	17

(*) For version with 2 microswitches lower values of the dead band must be multiplied x 1.5

(1) The value of the dead band is depending on the value of the set point. This table contains the dead band values for set point adjustment at 10% and 90% of the selected scale. For adjustable dead band the lower value corresponds to the dead and spring totally released and the higher corresponds to the dead band spring fully tensed. For other set points the dead band value can be calculated by linear interpolation between the values at 10% and 90%.

Micro switch characteristics

Switch code	M (K)	C (W)	S
Type	Gold contact	Hermetic	Ultrasensitive Gold contact
6 Vdc	10 ... 50 mA	5 ... 120 mA	10 ... 50 mA
12 Vdc	10 ... 50 mA	5 ... 120 mA	10 ... 50 mA
24 Vdc	10 ... 50 mA	5 ... 120 mA	10 ... 50 mA
30 Vdc	N/A	N/A	N/A
48 Vdc	N/A	N/A	N/A
110 Vdc	N/A	N/A	N/A
220 Vdc	N/A	N/A	N/A
115 Vac	N/A	N/A	N/A
250 Vac	N/A	N/A	N/A
Dielectric rigidity between contacts and ground	2000 V	1500 V	2000 V

RDY4

Differential pressure switch with intrinsic safety

RDY-4##.##

Ordering reference

Ordering key - Configuration possibilities see website

	RDY	-	4	#	#	.	###
Product							
RDY	RDY						
Measuring element							
Membran, Viton® (≤400 mbar)			4				
Type of Microswitch							
1 gold contact changeover switch				M			
1xSPDT, hermetically				C			
simultaneous				K			
simultaneous				W			
Process connection							
G 1/2					3		
1/2 NPT					6		
1/4 NPT F					8		
Pressure range							
2 … 10 mbar							111
2 … 50 mbar							121
2 … 100 mbar							131
10 … 200 mbar							156
10 … 400 mbar							157

Ordering example

	RDY	-	4	C	3	.	111
Product							
RDY	RDY						
Measuring element							
Membran, Viton® (≤400 mbar)			4				
Type of Microswitch							
1xSPDT, hermetically				C			
Process connection							
G 1/2					3		
Pressure range							
2 … 10 mbar							111

Options

Setpoint factory adjusted	SETP	Souriau connection	2298
For oxygen applications	0765	2.1 Certificate	Q001
Mounting on 2 pipe	0407	2.2 Certificate	Q002
stainless steel label wired*	9941	3.1 Material certificate	Q003
Setpoint adjust. lead sealed	8990	3.1 Certif. setpoints adjust.	Q011
Souriau mobile plug	2249		

Pressure switches

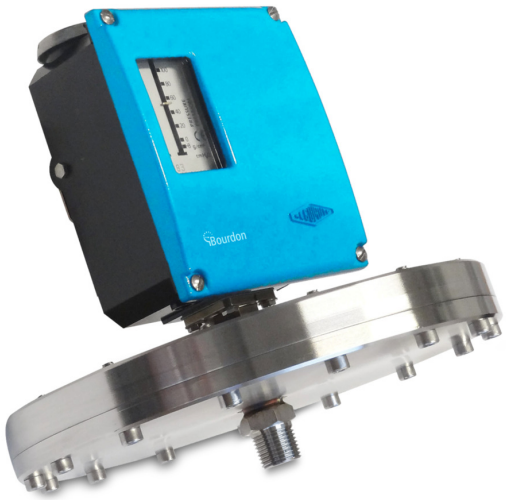
RDY5

Differential pressure switch with intrinsic safety for high static pressure

RDY-5##.##

Overview

- Excellent repeatability
- Dead band adjustment for regulation
- Fix dead band for control
- High static pressure up to 80 bar
- Intrinsic safety Hazardous area 0, 1, 2



Picture similar

Technical data

Housing	
Protection rating (EN60529)	IP66
Cover	Blue painted, zamak Captive stainless steel screws
Case material	Black painted, zamak
Mounting	Wall mounting bracket
Scale	Internal, accuracy on reading ± 5 % FS
Process	
Process connection	G1/4" female, only for codes 161,162,163 G1/2" 1/4" NPT female 1/2" NPT
Process connection material	Stainless steel 1.4404 / AISI 316L
Temperature	
Ambient temperature	-25°C ... +55°C (T6)
Storage temperature	-40°C ... +70°C
Media temperature	-15°C ... +150°C
Wetted parts	
Flange	Stainless steel 1.4404 / AISI 316L
Diaphragm	FKM (Viton) Nitrile butyl rubber

Sensing / Input	
Min. measuring range	2 ... 10 mbar
Max. measuring range	10 ... 2000 mbar
Performance	
Repeatability	± 1 % FS
Adjustment	2 external adjustment screws on top of the case for set point and deadband When set point adjustment is required it is necessary to know the static pressure, as it has an influence on the set point.
Electrical data	
Ground connection	Via internal terminal block
Electrical connection	Via internal terminal block with plastic cable gland for Ø 7 to 10.5 mm
Approval / Conformities	
ATEX/IECEx Certificate	LCIE 03 ATEX 6123X IECEx LCIE 15.0060X
ATEX/IECEx	Ex I M1 Ex II 1 G Further information can be found in the ATEX approval
CE conformity	ATEX directive 2014/34/UE

Remarks

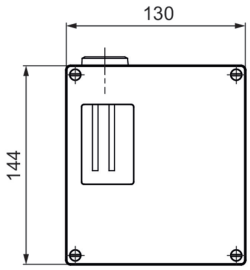
- These devices must be used as instruments that provide electrical information according to the value of the input variable. They are not intended to be used as a safety accessory. It is the responsibility of the user to check the compatibility of the device with its intended use.

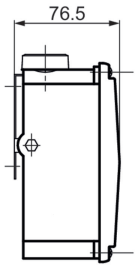
RDY5

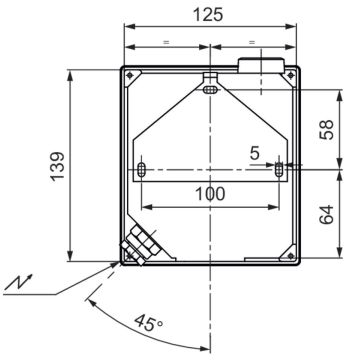
Differential pressure switch with intrinsic safety for high static pressure

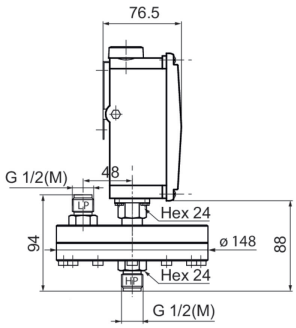
RDY-5##.##

Dimensional drawings (mm)

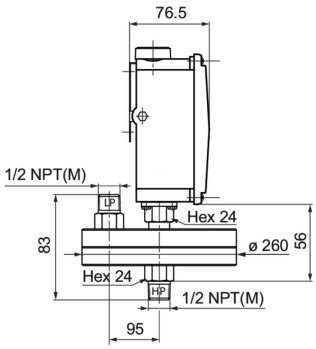




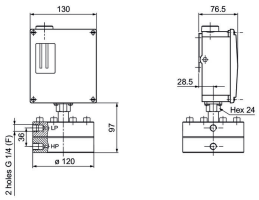




Pressure range codes: 111 - 121 - 131
Weight: 10 kg

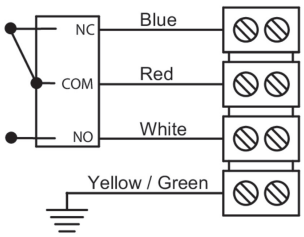


Pressure range codes: 156 - 157 - 158
Weight: 6.4 kg

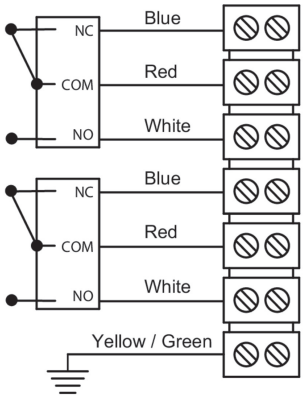


Pressure range codes: 161 - 162 - 163
Weight: 7 kg

Electrical connection



1 SPDT



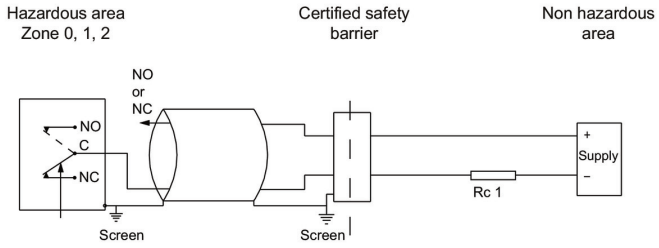
2 SPDT

RDY5

Differential pressure switch with intrinsic safety for high static pressure

RDY-5##.##

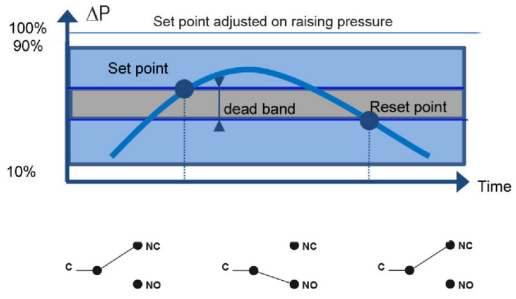
Electrical connection

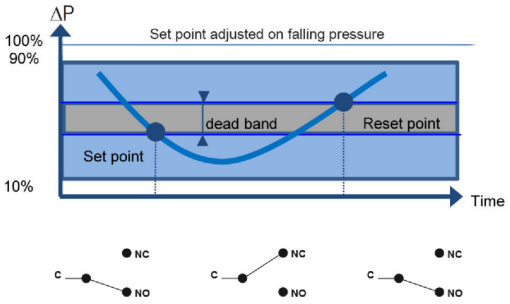


For max. ambient temperature according to temperature classes T5 and T6 refer to technical data.
The installation must be made in an intrinsically safe circuit whose certified electrical safety parameters do not exceed any of the values Umax,Imax and Pmax given in the electrical data.

All necessary measures must be taken by the user, to avoid the calorific transfer from the fluid to the apparatus head increasing the head's temperature to such that it reaches the self-ignition temperature of the gas in which it is used.

Principle



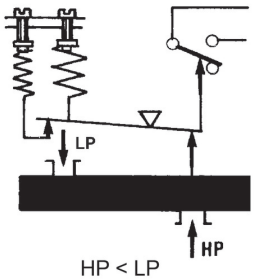


RDY5

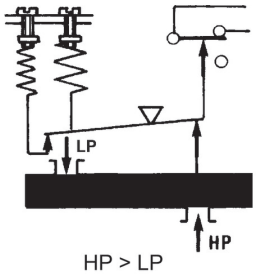
Differential pressure switch with intrinsic safety for high static pressure

RDY-5##.##

Principle



HP < LP



HP > LP

A flexible sensing element actuates a microswitch by means of a piston.
The set point is adjusted by means of a compressible spring installed in opposition.
Set point and reset point must be between 10% and 90% of the selected scale.
Standard factory adjustment
Setpoint at 50% of the scale on falling pressure.
Customer specific factory adjustment (option SETP)
The following specifications have to be given with the order:
• Setpoint value
• Adjustment on falling or raising pressure
• Static pressure (except RDx6)
• Dead band value (as needed) when using an adjustable dead band switch

Adjustable ranges

Scale	Max ΔP	Max P Static	Code	Micro-switch dead band (1)					
				Adjustable dead band				Fixed dead band	
				M (K*)		C(W*)		S	
mbar	mbar	bar		10%	90%	10%	90%	10%	90%
				mbar					
2 ... 10	10	0 ... 5	111	1.2 - 10	1.6 - 10	4.5 - 10	4.5 - 10	0.7	1.2
2 ... 20	50	0 ... 5	112	1.7 - 20	2.2 - 20	5 - 20	5.5 - 20	0.9	1.4
2 ... 50	50	0 ... 5	121	1.7 - 30	2.2 - 30	5 - 30	5.5 - 30	0.9	1.4
2 ... 100	100	0 ... 5	131	1.7 - 40	2.5 - 40	5.5 - 40	10 - 40	1.2	2
10 ... 200	200	5.5 ... 50	156	8 - 80	10.5 - 80	35 - 80	45 - 80	5.8	9.5
10 ... 400	400	5.5 ... 50	157	15 - 150	20 - 150	40 - 150	50 - 150	10.5	17
10 ... 1000	1000	5.5 ... 50	158	18 - 150	22 - 150	45 - 150	60 - 150	11.5	19.6
10 ... 700	700	5.5 ... 80	161**	20 - 200	30 - 200	60 - 350	90 - 350	18.5	22.5
10 ... 1500	1500	5.5 ... 80	162**	20 - 300	30 - 300	60 - 350	100 - 350	18.5	22.5
10 ... 2000	2000	5.5 ... 80	163**	30 - 300	60 - 300	90 - 350	200 - 350	20.7	33.6

(*) For version with 2 microswitches lower values of the dead band must be multiplied x 1.5
(**) G1/4 female only

(1) The value of the dead band is depending on the value of the set point.This table contains the dead band values for set point adjustment at 10% and 90% of the selected scale. For adjustable dead band the lower value corresponds to the dead band spring totally released and the higher corresponds to the dead band spring fully tensed. For other set points the dead band value can be calculated by linear interpolation between the values at 10% and 90%.

Micro switch characteristics

Switch code	M (K)	C (W)	S
Type	Gold contact	Hermetic	Ultrasensitive Gold contact
6 Vdc	10 ... 50 mA	5 ... 120 mA	10 ... 50 mA
12 Vdc	10 ... 50 mA	5 ... 120 mA	10 ... 50 mA
24 Vdc	10 ... 50 mA	5 ... 120 mA	10 ... 50 mA
30 Vdc	N/A	N/A	N/A
48 Vdc	N/A	N/A	N/A
110 Vdc	N/A	N/A	N/A
220 Vdc	N/A	N/A	N/A
115 Vac	N/A	N/A	N/A
250 Vac	N/A	N/A	N/A
Dielectric rigidity between contacts and ground	2000 V	1500 V	2000 V

RDY5

Differential pressure switch with intrinsic safety for high static pressure

RDY-5##.##

Ordering reference

Ordering key - Configuration possibilities see website

	RDY	-	5	#	#	.	###
Product							
RDY	RDY						
Measuring element							
Membran, Viton® od. NBR			5				
Type of Microswitch							
1 gold contact changeover switch				M			
1xSPDT, hermetically				C			
simultaneous				K			
simultaneous				W			
Process connection							
G 1/2					3		
1/2 NPT					6		
1/4 NPT F					8		
G 1/4 Internal Screw					H		
Pressure range							
2 … 10 mbar							111
2 … 20 mbar							112
2 … 50 mbar							121
2 … 100 mbar							131
10 … 200 mbar							156
10 … 400 mbar							157
10 … 1000 mbar							158
10 … 700 mbar							161
10 … 1500 mbar							162
10 … 2000 mbar							163

Ordering example

	RDY	-	5	C	H	.	161	0765
Product								
RDY	RDY							
Measuring element								
Membran, Viton® od. NBR			5					
Type of Microswitch								
1xSPDT, hermetically				C				
Process connection								
G 1/4 Internal Screw					H			
Pressure range								
10 … 700 mbar							161	
Cleanliness								
for oxygen applications free of oil and grease								0765

RDY5

Differential pressure switch with intrinsic safety for high static pressure

RDY-5##.##

Options			
Setpoint factory adjusted	SETP	Souriau connection	2298
For oxygen applications	0765	2.1 Certificate	Q001
Mounting on 2 pipe	0407	2.2 Certificate	Q002
stainless steel label wired*	9941	3.1 Material certificate	Q003
Setpoint adjust. lead sealed	8990	3.1 Certif. setpoints adjust.	Q011
Souriau mobile plug	2249		

Pressure switches

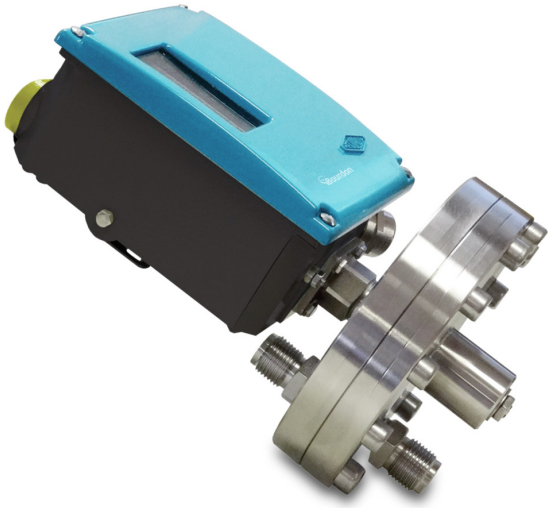
RDY6

Differential pressure switch with intrinsic safety for variable static pressure

RDY-###.###/

Overview

- Excellent repeatability
- Dead band adjustment for regulation
- Fix dead band for control
- Intrinsic safety Hazardous area 0, 1, 2
- Static pressure max. 20 bar
- No influence of the static pressure on the setpoint



Picture similar

Technical data

Housing	
Protection rating (EN60529)	IP66
Cover	Blue painted, zamak Captive stainless steel screws
Case material	Black painted, zamak
Mounting	Wall mounting bracket
Scale	Internal, accuracy on reading ± 5 % FS
Process	
Process connection	G1/4" female, only for codes 161,162,163 G1/2" 1/4" NPT female 1/2" NPT
Process connection material	Stainless steel 1.4404 / AISI 316L
Temperature	
Ambient temperature	-25°C ... +55°C (T6)
Storage temperature	-40°C ... +70°C
Media temperature	-15°C ... +150°C
Wetted parts	
Flange	Stainless steel 1.4404 / AISI 316L
Diaphragm	FKM (Viton)

Sensing / Input	
Min. measuring range	10 ... 200 mbar
Max. measuring range	10 ... 2000 mbar
Performance	
Repeatability	± 1 % FS
Adjustment	2 external adjustment screws on top of the case for set point and deadband The adjustment is not influenced by changes of the static pressure
Electrical data	
Ground connection	Via internal terminal block
Electrical connection	Via internal terminal block with plastic cable gland for Ø 7 to 10.5 mm
Approval / Conformities	
ATEX/IECEx Certificate	LCIE 03 ATEX 6123X IECEx LCIE 15.0060X
ATEX/IECEx	Ex I M1 Ex II 1 G Further information can be found in the ATEX approval
CE conformity	ATEX directive 2014/34/UE

Remarks

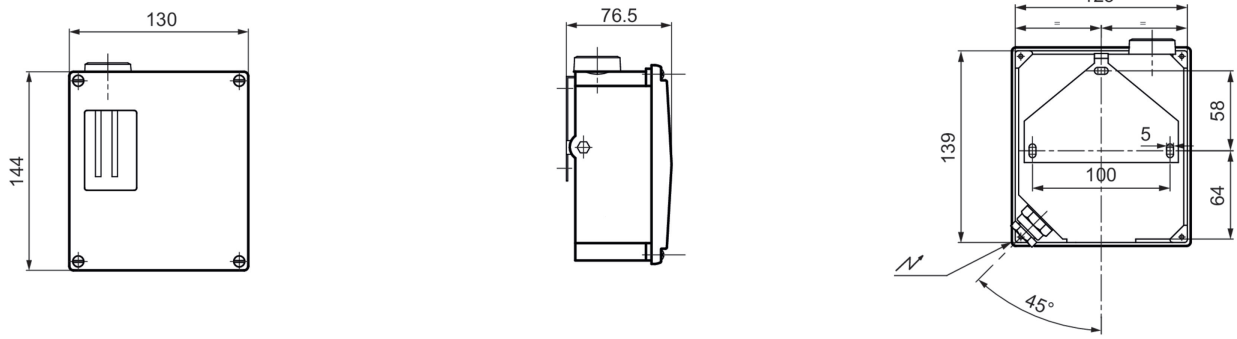
- These devices must be used as instruments that provide electrical information according to the value of the input variable. They are not intended to be used as a safety accessory. It is the responsibility of the user to check the compatibility of the device with its intended use.

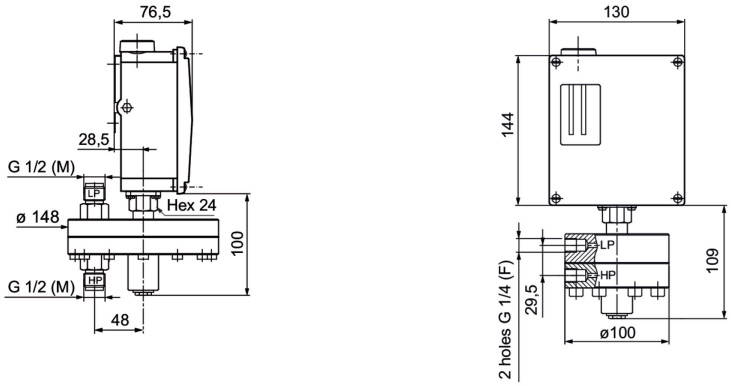
RDY6

Differential pressure switch with intrinsic safety for variable static pressure

RDY-###.###/

Dimensional drawings (mm)

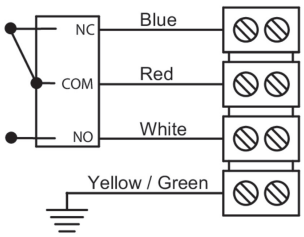




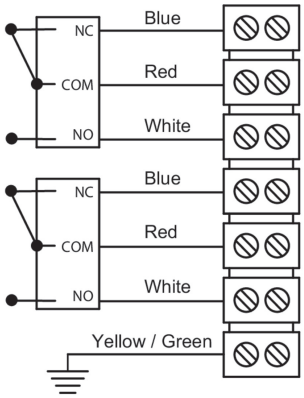
Pressure range codes: 156 - 157 - 158
Weight: 6.6 kg

Pressure range codes: 161 - 162 - 163
Weight: 7 kg

Electrical connection



1 SPDT



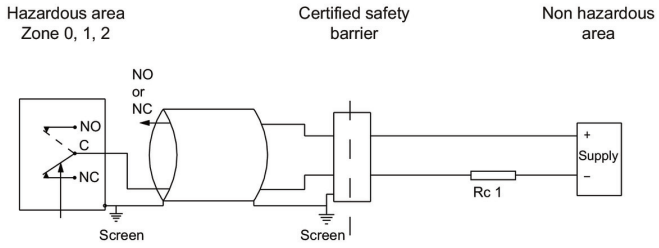
2 SPDT

RDY6

Differential pressure switch with intrinsic safety for variable static pressure

RDY-###.###/

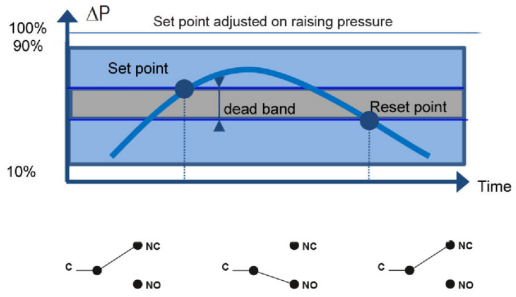
Electrical connection

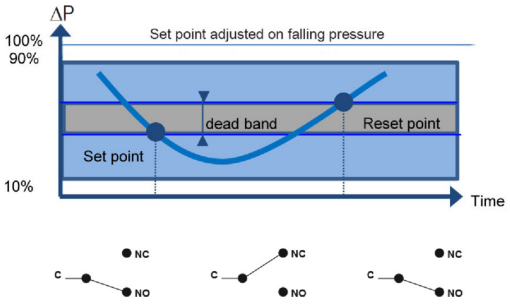


For max. ambient temperature according to temperature classes T5 and T6 refer to technical data.
The installation must be made in an intrinsically safe circuit whose certified electrical safety parameters do not exceed any of the values Umax,Imax and Pmax given in the electrical data.

All necessary measures must be taken by the user, to avoid the calorific transfer from the fluid to the apparatus head increasing the head's temperature to such that it reaches the self-ignition temperature of the gas in which it is used.

Principle



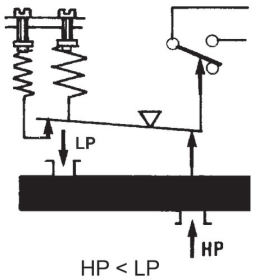


RDY6

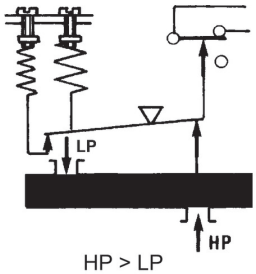
Differential pressure switch with intrinsic safety for variable static pressure

RDY-###.###/

Principle



HP < LP



HP > LP

A flexible sensing element actuates a microswitch by means of a piston.
The set point is adjusted by means of a compressible spring installed in opposition.
Set point and reset point must be between 10% and 90% of the selected scale.
Standard factory adjustment
Setpoint at 50% of the scale on falling pressure.
Customer specific factory adjustment (option SETP)
The following specifications have to be given with the order:
• Setpoint value
• Adjustment on falling or raising pressure
• Static pressure (except RDx6)
• Dead band value (as needed) when using an adjustable dead band switch

Adjustable ranges

Scale	Max ΔP	Max P Static	Code	Micro-switch dead band (1)					
				Adjustable dead band				Fixed dead band	
				M (K*)		C(W*)		S	
mbar	mbar	bar		10%	90%	10%	90%	10%	90%
				mbar					
10 ... 200	200	20	156	8 - 80	10.5 - 80	35 - 80	45 - 80	5.8	9.5
10 ... 400	400	20	157	15 - 150	20 - 150	40 - 150	50 - 150	10.5	17
10 ... 1000	1000	20	158	18 - 150	22 - 150	45 - 150	60 - 150	11.5	19.6
10 ... 700	700	20	161**	30 - 250	45 - 250	130 - 450	150 - 450	27.5	34
10 ... 1500	1500	20	162**	30 - 300	45 - 300	130 - 450	150 - 450	27.5	34
10 ... 2000	2000	20	163**	45 - 300	90 - 300	180 - 450	300 - 450	31	50

(*) For version with 2 microswitches lower values of the dead band must be multiplied x 1.5
(**) G1/4 female only

(1) The value of the dead band is depending on the value of the set point. This table contains the dead band values for set point adjustment at 10% and 90% of the selected scale. For adjustable dead band the lower value corresponds to the dead band spring totally released and the higher corresponds to the dead band spring fully tensed. For other set points the dead band value can be calculated by linear interpolation between the values at 10% and 90%.

Micro switch characteristics

Switch code	M (K)	C (W)	S
Type	**Gold contact**	**Hermetic**	**Ultrasensitive Gold contact**
6 Vdc	10 ... 50 mA	5 ... 120 mA	10 ... 50 mA
12 Vdc	10 ... 50 mA	5 ... 120 mA	10 ... 50 mA
24 Vdc	10 ... 50 mA	5 ... 120 mA	10 ... 50 mA
30 Vdc	N/A	N/A	N/A
48 Vdc	N/A	N/A	N/A
110 Vdc	N/A	N/A	N/A
220 Vdc	N/A	N/A	N/A
115 Vac	N/A	N/A	N/A
250 Vac	N/A	N/A	N/A
Dielectric rigidity between contacts and ground	2000 V	1500 V	2000 V

RDY6

Differential pressure switch with intrinsic safety for variable static pressure

RDY-###.###/

Ordering reference

Ordering key - Configuration possibilities see website

	RDY	-	6	#	#	.	###
Product							
RDY	RDY						
Measuring element							
Membran, Viton® (≤ 2 bar)			6				
Type of Microswitch							
1xSPDT, hermetically				C			
simultaneous				W			
1 gold contact changeover switch				M			
simultaneous				K			
1xSPDT, gold, ultra sensitive				S			
Process connection							
G 1/4 Internal Screw					H		
G 1/2					3		
1/2 NPT					6		
1/4 NPT F					8		
Pressure range							
10 … 200 mbar							156
10 … 400 mbar							157
10 … 1000 mbar							158
10 … 700 mbar							161
10 … 1500 mbar							162
10 … 2000 mbar							163

Ordering example

	RDY	-	6	C	H	.	161	/	0765
Product									
RDY	RDY								
Measuring element									
Membran, Viton® (≤ 2 bar)			6						
Type of Microswitch									
1xSPDT, hermetically				C					
Process connection									
G 1/4 Internal Screw					H				
Pressure range									
10 … 700 mbar							161		
Cleanliness									
for oxygen applications free of oil and grease									0765

Options			
Setpoint factory adjusted	SETP	Souriau connection	2298
For oxygen applications	0765	2.1 Certificate	Q001
Mounting on 2 pipe	0407	2.2 Certificate	Q002
stainless steel label wired*	9941	3.1 Material certificate	Q003
Setpoint adjust. lead sealed	8990	3.1 Certif. setpoints adjust.	Q011
Souriau mobile plug	2249		

Pressure switches

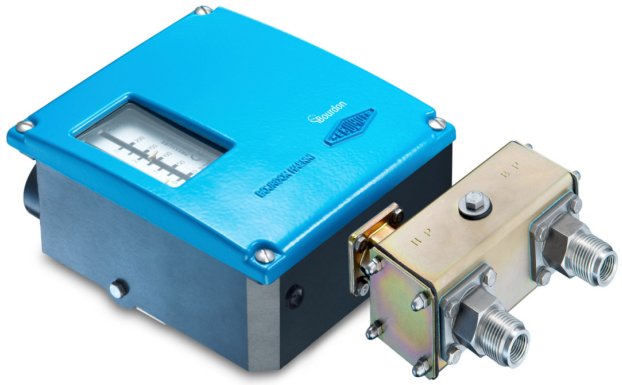
RDY8

Differential pressure switch with intrinsic safety

RDY-###.###/

Overview

- Excellent repeatability
- Dead band adjustment for regulation
- Fix dead band for control
- Intrinsic safety Hazardous area 0, 1, 2



Picture similar

Technical data

Housing	
Protection rating (EN60529)	IP66
Cover	Blue painted, zamak Captive stainless steel screws
Case material	Black painted, zamak
Mounting	Wall mounting bracket
Scale	Internal, accuracy on reading ± 5 % FS
Process	
Process connection	G1/2" 1/4" NPT female 1/2" NPT
Process connection material	Stainless steel 1.4404 / AISI 316L
Temperature	
Ambient temperature	-25°C ... +55°C (T6)
Storage temperature	-40°C ... +70°C
Media temperature	-50°C ... +200°C
Wetted parts	
Bellow	Stainless steel 1.4404 / AISI 316L Stainless steel 1.4432 / AISI 316L

Sensing / Input	
Min. measuring range	0.05 ... 0.5 bar
Max. measuring range	2.5 ... 30 bar
Performance	
Repeatability	± 1 % FS
Adjustment	2 external adjustment screws on top of the case for set point and deadband When set point adjustment is required it is necessary to know the static pressure, as it has an influence on the set point.
Electrical data	
Ground connection	Via internal terminal block
Electrical connection	Via internal terminal block with plastic cable gland for Ø 7 to 10.5 mm
Approval / Conformities	
ATEX/IECEx Certificate	LCIE 03 ATEX 6123X IECEx LCIE 15.0060X
ATEX/IECEx	Ex I M1 Ex II 1 G Further information can be found in the ATEX approval
CE conformity	ATEX directive 2014/34/UE

Remarks

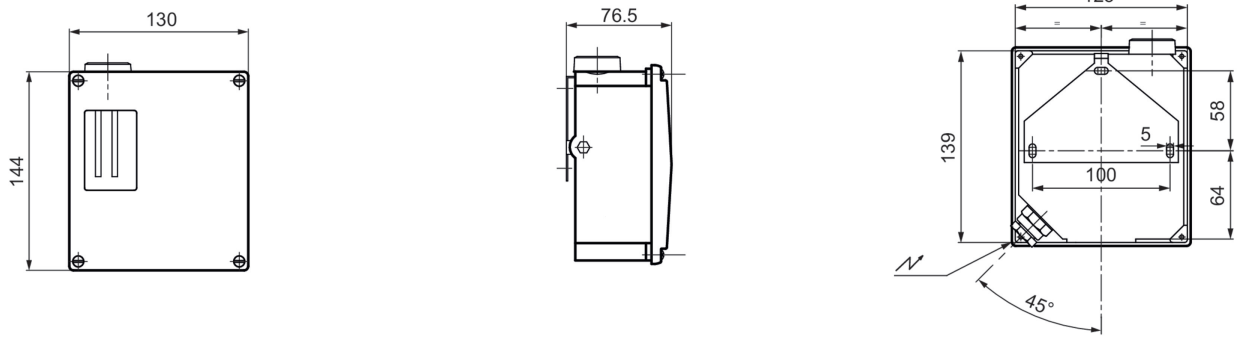
- These devices must be used as instruments that provide electrical information according to the value of the input variable. They are not intended to be used as a safety accessory. It is the responsibility of the user to check the compatibility of the device with its intended use.

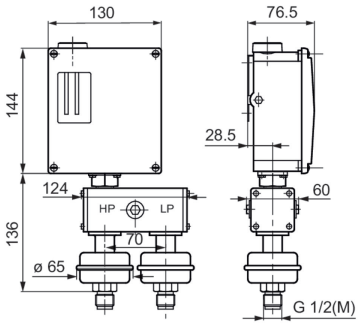
RDY8

Differential pressure switch with intrinsic safety

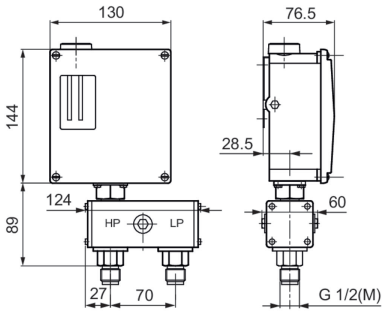
RDY-###.###/

Dimensional drawings (mm)



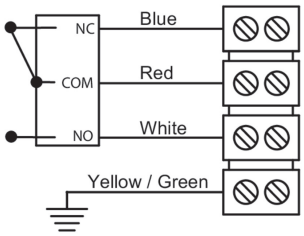


Pressure range codes: 211 - 221
Weight: 3 kg

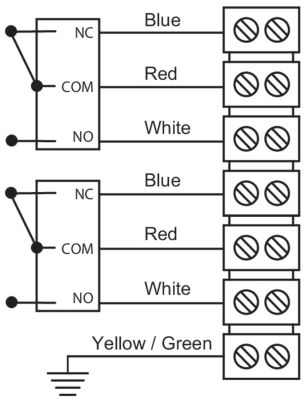


Pressure range codes: 214 - 224 - 234 - 235 - 245 - 246 - 256 - 257 - 258
Weight: 3 kg

Electrical connection



1 SPDT



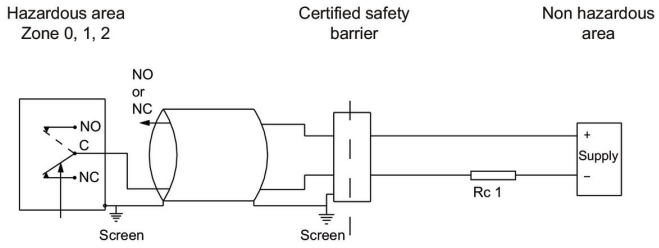
2 SPDT

RDY8

Differential pressure switch with intrinsic safety

RDY-###.###/

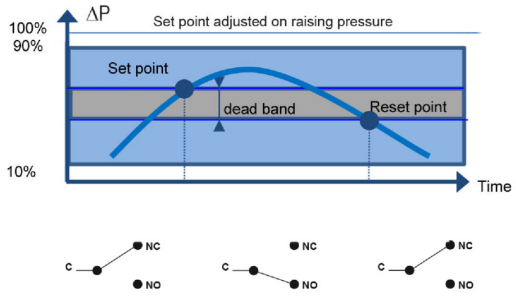
Electrical connection

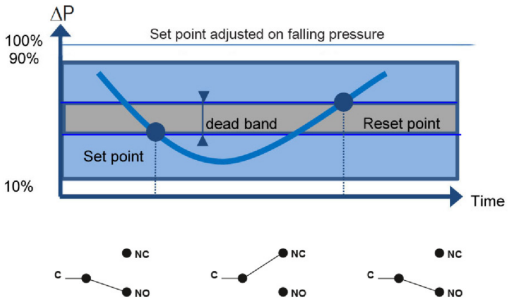


For max. ambient temperature according to temperature classes T5 and T6 refer to technical data.
The installation must be made in an intrinsically safe circuit whose certified electrical safety parameters do not exceed any of the values Umax,Imax and Pmax given in the electrical data.

All necessary measures must be taken by the user, to avoid the calorific transfer from the fluid to the apparatus head increasing the head's temperature to such that it reaches the self-ignition temperature of the gas in which it is used.

Principle



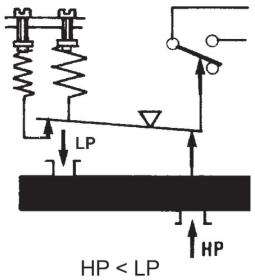


RDY8

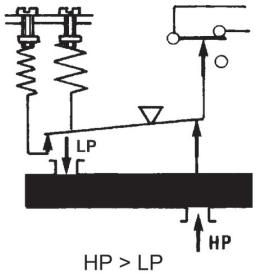
Differential pressure switch with intrinsic safety

RDY-###.###/

Principle



HP < LP



HP > LP

A flexible sensing element actuates a microswitch by means of a piston.
The set point is adjusted by means of a compressible spring installed in opposition.
Set point and reset point must be between 10% and 90% of the selected scale.
Standard factory adjustment
Setpoint at 50% of the scale on falling pressure.
Customer specific factory adjustment (option SETP)
The following specifications have to be given with the order:
• Setpoint value
• Adjustment on falling or raising pressure
• Static pressure (except RDx6)
• Dead band value (as needed) when using an adjustable dead band switch

Adjustable ranges

Scale	Max ΔP	Max P Static	Code	Micro-switch dead band (1)					
				Adjustable dead band				Fixed dead band	
				M (K*)		C(W*)		S	
				10%	90%	10%	90%	10%	90%
bar	bar	bar	Code	bar					
0.05... 0.5	0.5	7	211	0.09 - 0.3	0.1 - 0.3	0.15 - 0.4	0.2 - 0.4	0.06	0.09
0.05... 1	1	7	221	0.09 - 0.3	0.1 - 0.3	0.15 - 0.4	0.22 - 0.4	0.06	0.09
0.15... 0.5	0.5	20	214	0.14 - 0.5	0.18 - 0.5	N/A	N/A	0.12	0.18
0.15... 1	1	20	224	0.2 - 0.6	0.25 - 0.6	N/A	N/A	0.12	0.18
0.15... 4	4	20	234	0.21 - 1.5	0.27 - 1.5	0.65 - 2	0.8 - 2	0.12	0.18
0.8... 4	4	30	235	0.7 - 2.5	1.1 - 2.5	0.75 - 2.5	1.1 - 2.5	0.16	0.28
0.8... 10	10	30	245	0.7 - 2.5	1.1 - 2.5	0.75 - 2.5	1.1 - 2.5	0.16	0.28
1.5... 10	10	65	246	1.2 - 5	2.5 - 5	2.5 - 6	3.5 - 6	0.42	0.68
1.5... 20	20	65	256	1.2 - 5	2.5 - 5	2.5 - 6	3.5 - 6	0.42	0.68
2.5... 20	20	220	257	2.5 - 20	3.5 - 20	6 - 20	7 - 20	1.85	2.8
2.5... 30	30	220	258	3 - 30	4 - 20	6 - 20	7 - 20	1.95	2.8

(*) For version with 2 microswitches lower values of the dead band must be multiplied x 1.5

(1) The value of the dead band is depending on the value of the set point. This table contains the dead band values for set point adjustment at 10% and 90% of the selected scale. For adjustable dead band the lower value corresponds to the dead and spring totally released and the higher corresponds to the dead band spring fully tensed. For other set points the dead band value can be calculated by linear interpolation between the values at 10% and 90%.

Micro switch characteristics

Switch code	M (K)	C (W)	S
Type	**Gold contact**	**Hermetic**	**Ultrasensitive Gold contact**
6 Vdc	10 ... 50 mA	5 ... 120 mA	10 ... 50 mA
12 Vdc	10 ... 50 mA	5 ... 120 mA	10 ... 50 mA
24 Vdc	10 ... 50 mA	5 ... 120 mA	10 ... 50 mA
30 Vdc	N/A	N/A	N/A
48 Vdc	N/A	N/A	N/A
110 Vdc	N/A	N/A	N/A
220 Vdc	N/A	N/A	N/A
115 Vac	N/A	N/A	N/A
250 Vac	N/A	N/A	N/A
Dielectric rigidity between contacts and ground	2000 V	1500 V	2000 V

RDY8

Differential pressure switch with intrinsic safety

RDY-###.###/

Ordering reference

Ordering key - Configuration possibilities see website

	RDY	-	8	#	#	.	###
Product							
RDY	RDY						
Measuring element							
Bellow or piston, st.steel			8				
Type of Microswitch							
1xSPDT, hermetically				C			
simultaneous				W			
1 gold contact changeover switch				M			
simultaneous				K			
1xSPDT, gold, ultra sensitive				S			
Process connection							
G 1/2					3		
1/2 NPT					6		
1/4 NPT F					8		
Pressure range							
0.05 … 0.5 bar							211
0.05 … 1 bar							221
0.15 … 0.5 bar							214
0.15 … 1 bar							224
0.15 … 4 bar							234
0.8 … 4 bar							235
0.8 … 10 bar							245
1.5 … 10 bar							246
1.5 … 20 bar							256
2.5 … 20 bar							257
2.5 … 30 bar							258

Ordering example

	RDY	-	8	C	3	.	211	/	0765
Product									
RDY	RDY								
Measuring element									
Bellow or piston, st.steel			8						
Type of Microswitch									
1xSPDT, hermetically				C					
Process connection									
G 1/2					3				
Pressure range									
0.05 … 0.5 bar							211		
Cleanliness									
for oxygen applications free of oil and grease									0765

Options			
Setpoint factory adjusted	SETP	Souriau connection	2298
For oxygen applications	0765	2.1 Certificate	Q001
Mounting on 2 pipe	0407	2.2 Certificate	Q002
stainless steel label wired*	9941	3.1 Material certificate	Q003
Setpoint adjust. lead sealed	8990	3.1 Certif. setpoints adjust.	Q011
Souriau mobile plug	2249		