

10-B11 M201, 10-B11 M277, 10-C11 M278 ,
10-C11 M405, 10-F11 M406, 110-F11 M430,
10-D11 M541, 10-D11 L040, 10-E11 62169-26,
10-E11 M201 и др.

Компактные цилиндрические реле давления для OEM серии 10. Технические характеристики.



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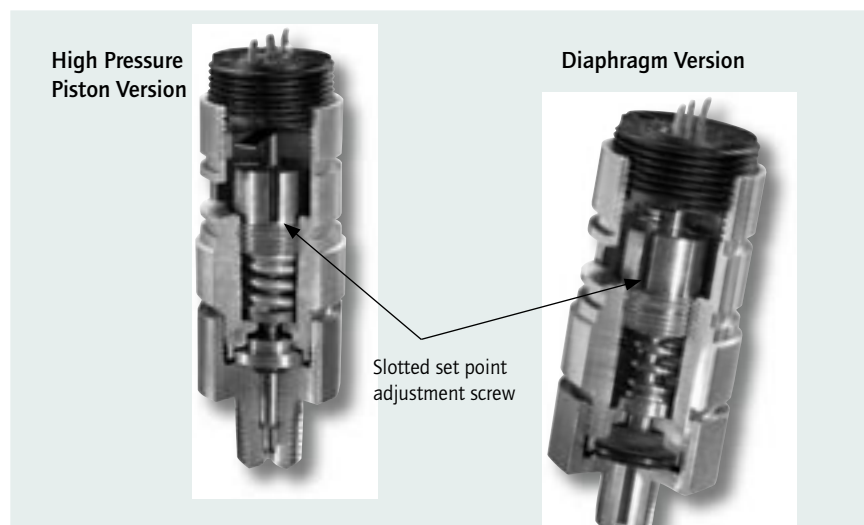
OVERVIEW

Available with seven electrical termination varieties, a choice of sensors, and several pressure connections, the Spectra 10 is designed to meet most requirements for a variety of OEM and industrial applications. Just 1-1/4 inches in diameter and as small as 3 inches high, this compact, cylindrical switch mounts wherever space is at a premium. A reliable and cost-effective switch, the Spectra 10 is ideal for applications with high settings and surges. Among the tough applications in which the Spectra 10 has proven itself are: mobile hydraulic units, compactors, balers and lube oil systems.

In addition to standard capabilities, modified designs or options are available to help you meet specific application requirements. Design flexibility allows for customized pressure connections, electrical terminations and pressure ranges. Consult UE for all product capabilities, order restrictions and special conditions.

FEATURES

- cULus recognized and CE compliant to low voltage directive and pressure equipment directive. Optional ATEX intrinsic safety compliance.
- NPT or SAE threaded pressure connections
- Choice of 7 electrical terminations
- Optional leadwire/cable lengths
- Rugged and vibration resistant
- Proof pressures up to 12,000 psi (827 bar)



SPECIFICATIONS

STORAGE TEMPERATURE	-40 to 180°F (-40 to 82°C)
AMBIENT TEMPERATURE LIMITS	0 to 160°F (-17 to 71°C) with Buna-N construction; 0 to 180°F (-17 to 82°C) with Viton® construction; set point shifts less than 1% of range for a 50°F (28°C) ambient temperature change. Unit will operate down to -40°F (-40°C) but with reduced repeatability
MAX. MEDIA TEMPERATURE	200°F (93°C) with Buna-N sensor; 250°F (121°C) with Viton® sensor
SHOCK	Set point repeats after 50 G, 10 millisecond duration
VIBRATION	Set point repeats after 10 G, 5-500 CPS
ENCLOSURE CLASSIFICATION	Types C, D, E, F & G: Designed to meet enclosure type 4 requirements Types A & B: Not applicable
SET POINT REPEATABILITY	Models 10-12: ± 1% of span; Models 13-16: ± 1.5% of span
SWITCH OUTPUT	One SPDT
ELECTRICAL RATING	Rated to 5 A resistive and 5 A inductive (75% power factor), at 125 VAC & 250 VAC, 1/4 HP; 5 A resistive and 3 A inductive at 30 VDC; 0.5 A resistive and 0.25 A inductive at 125 VDC; gold clad silver contact for loads down to 5 mA at 6 VDC, 2 mA at 12 VDC and 1 mA at 24 VDC
ENCLOSURE	Aluminum with irridite finish
WEIGHT	Type A: 5 oz.; Type B: 6 oz.; Type C: 6.5 oz.; Type D: 6 oz.; Type E: 12 oz.; Type F: 6.5 oz.; Type G: 12 oz.
ELECTRICAL CONNECTION	7 electrical terminations; Refer to "How to Order"
PRESSURE CONNECTION	Models 10-12: 1/8" NPT (male); Models 13-16: 1/4" NPT (male); optional SAE threads and other connections (see options list)
MOUNTING	NPT (male) pressure connection. Surface mounting bracket kit available for field installation



10 Series

10 Series

MODEL CHART

Range Code	Adjustable Set Point Range		Deadband		Over Range Pressure*		Proof Pressure**	
	Low end of range on fall High end of range on rise psi bar		Narrower deadbands may be expected at bottom of range psi bar (unless noted)		psi	bar	psi	bar
Buna-N diaphragm and O-ring and 1/8" NPT (male) brass pressure connection								
10	4 to 50	0,3 to 3,4	1 to 6	68,9 mbar to 0,4 bar	1000	68,9	3000	206,8
11	10 to 150	0,7 to 10,3	2 to 10	0,1 to 0,7	1500	103,4	3000	206,8
12	30 to 600	2,1 to 41,4	8 to 60	0,6 to 4,1	2500	172,4	3000	206,8
Stainless steel piston, Buna-N O-ring and 1/4" NPT (male) brass pressure connection								
13	100 to 1500	6,9 to 103,4	20 to 220	1,4 to 15,2	8000	551,6	10,000	689,5
14	180 to 3000	12,4 to 206,8	50 to 400	3,4 to 27,6	8000	551,6	10,000	689,5
15	400 to 4700	27,6 to 324,1	100 to 600	6,9 to 41,4	8000	551,6	10,000	689,5
16	4000 to 7500	275,8 to 517,1	400 to 950	27,6 to 65,5	10,000	689,5	12,000	827,4

HOW TO ORDER

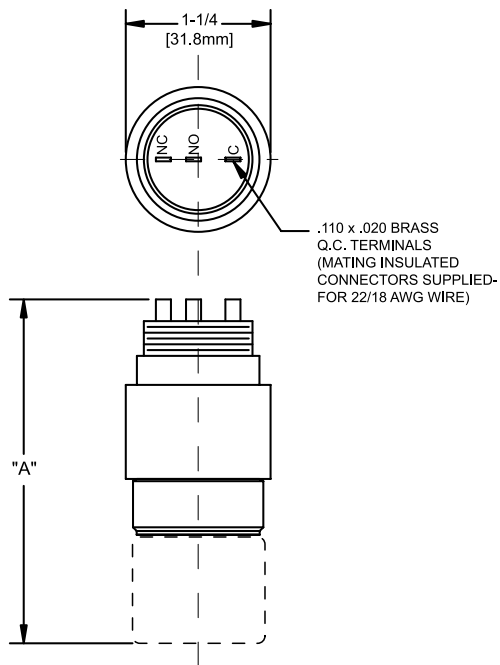
Build a part number by selecting appropriate code for each feature category. Example: 10-B11*M201

	10	B	11	M201
	Series Designation	Electrical Termination Type	Range	Misc. Options
ORDERING CODE	10	B	11	M201
SERIES DESIGNATION	10			
	Designation for Spectra 10 product line			
ELECTRICAL TERMINATION TYPE				
A	0.11" push-on terminals. Mating terminals supplied			
B	0.25" push-on terminals			
C	NEMA 4; 1/2" NPT (male) conduit connection; 20" leads			
D	NEMA 4; 20" leads			
E	NEMA 4; 1/2" NPT (female) conduit connection; 5' cable			
F	NEMA 4; 4 terminal DIN connector. Mating part not supplied			
G	NEMA 4; 5' cable			
RANGE				
10, 11, 12, 13 14, 15, 16	See model chart on page 4			
MISCELLANEOUS OPTIONS				
M201	Factory set one switch; specify increasing or decreasing pressure and set point			
M277	Range indicated on nameplate in kPa or MPa, factory selected			
M278	Range indicated on nameplate in kg/cm ²			
M405	European ATEX intrinsic safety compliance			
M406	Russian Gosgortekhnadzor intrinsic safety compliance			
M407	CE compliance to Pressure Equipment Directive (Category IV)			
M430	Cover lock			
M444	Paper ID Tag			
M446	Stainless steel ID tag & wire attachment			
M511	1/4" NPT (male) 316 stainless steel pressure connection			
M512	1/4" NPT (male) brass pressure connection. NOT AVAILABLE ON MODELS 13, 14, 15, OR 16			
M540	Viton® construction. Deadbands and low end of range may increase slightly (consult factory). Wetted parts include Viton® diaphragm and/or O-ring plus standard pressure connection material			
M541	Ethylene propylene (EPDM) construction. Deadbands may increase slightly (consult factory). Wetted parts include EPDM diaphragm and/or O-ring plus standard pressure connection material			
M550	Oxygen service cleaning; Buna-N diaphragm and/or O-ring changes to Viton®			
M925	7/16-20 UNF-2A, SAE male brass pressure connection			
M929	G1/2 straight pipe thread pressure connection			
62169-26	Surface mounting bracket kit			
L040	4' leadwire/cable. NOT AVAILABLE ON TYPES A, B, E, F, G			
L060	6' leadwire/cable. NOT AVAILABLE ON TYPES A, B, F			
L080	8' leadwire/cable. NOT AVAILABLE ON TYPES A, B, F			
L100	10' leadwire/cable. NOT AVAILABLE ON TYPES A, B, F			

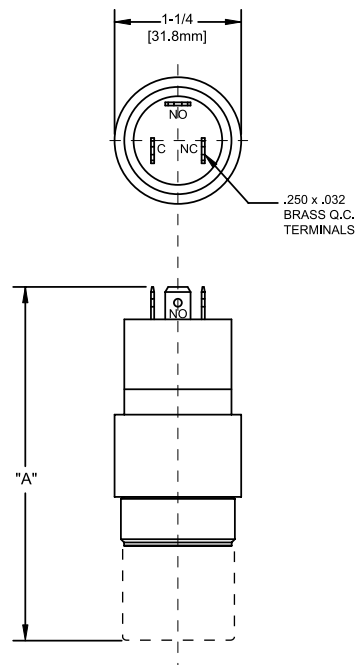
DIMENSIONAL DRAWINGS

Dimensional drawings for all models may be found at www.ueonline.com

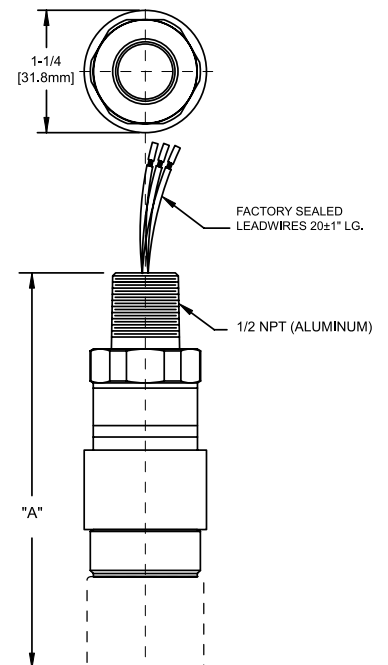
Type 10-A



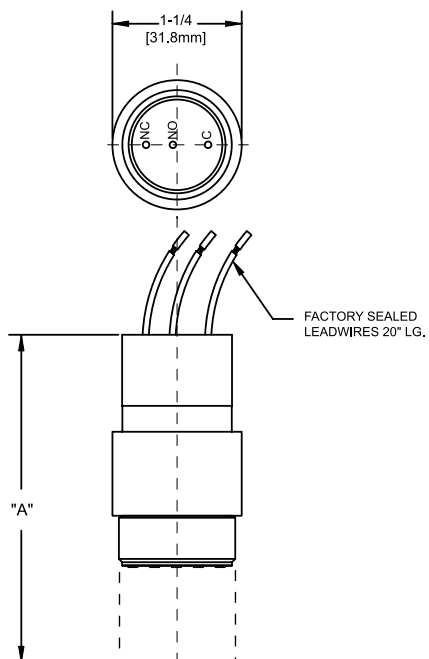
Type 10-B



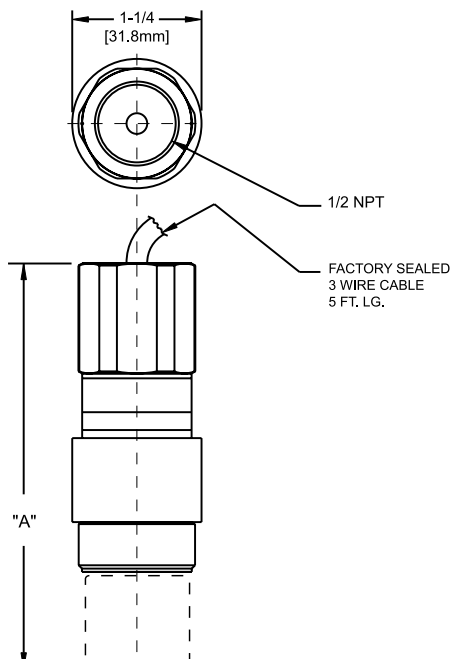
Type 10-C



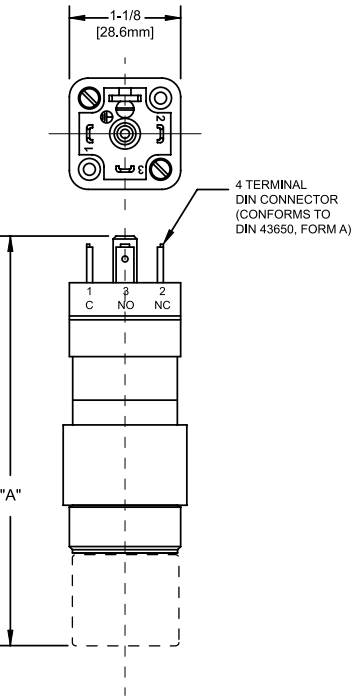
Type 10-D



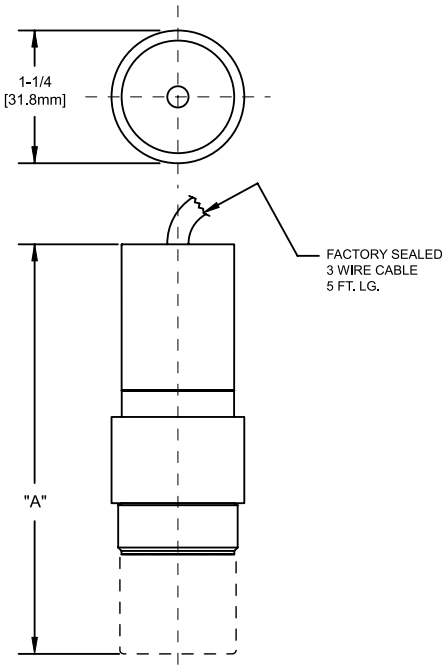
Type 10-E



Type 10-F



Type 10-G

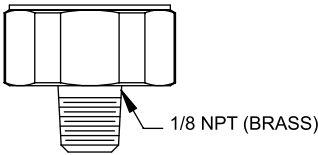


"A" Dimension Chart

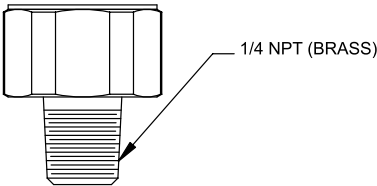
Models	Inches	mm	NPT
A10-12	3.00	76.2	1/8"
A13-16	3.31	84.1	1/4"
B10-12	3.50	88.9	1/8"
B13-16	3.81	96.8	1/4"
C10-12	4.06	103.2	1/8"
C13-16	4.38	111.1	1/4"
D10-12	3.19	81.0	1/8"
D13-16	3.50	88.9	1/4"
E10-12	3.94	100.0	1/8"
E13-16	4.25	108.0	1/4"
F10-12	4.13	104.8	1/8"
F13-16	4.44	112.7	1/4"
G10-12	3.88	98.4	1/8"
G13-16	4.19	106.4	1/4"

PRESSURE CONNECTION DETAILS

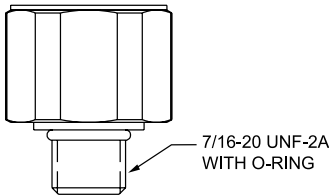
Model 10-12



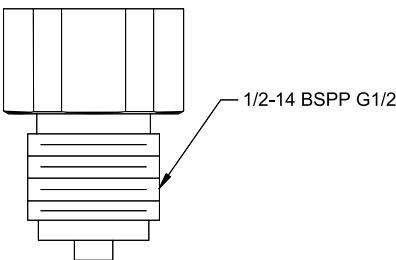
Model 13-16



Option M925



Option M929



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