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EXPLOSION PROOF LIMIT SWITCH

SERIES LSN7

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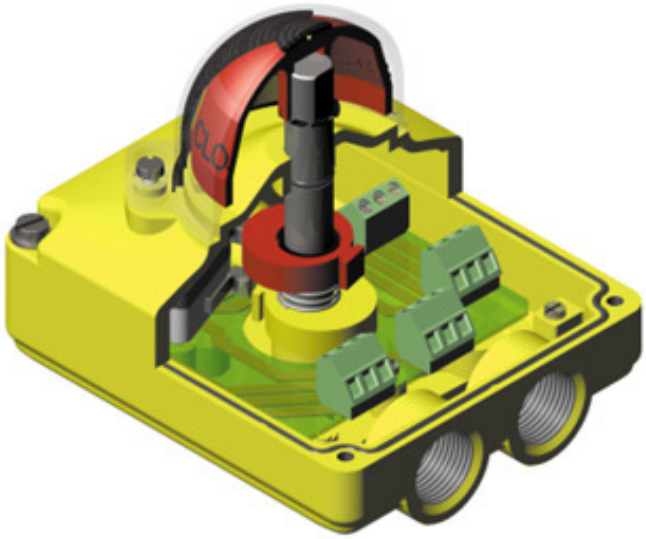

FEATURES:

- Die Cast Aluminum housing is Powder coated for superior corrosion resistance
- Housings have captive cover bolts
- Dome is made from Polycarbonate and is shatterproof
- Unique two piece molded indicator helps for long life and flexibility
- Sonic Set cams are serrated to lock together ensuring settings are secured against vibration
- Color coded to ease wiring
- Special Printed Circuit Board eliminates all wiring from the switch element to the terminal. Provides protection against short circuits
- Complies to NAMUR mounting standards
- UL listed, for both NEMA 4 / 4X and NEMA 7 / 9
- NEMA 7/9 Class I Groups C&D, Class II Groups E,F &G Divisions 1 and 2
- Wide range of NAMUR pattern mounting kits
- Temperature range: -20°C to 80°C (176°F)
- Stainless steel brackets are available
- Solenoid termination inside the switch box possible

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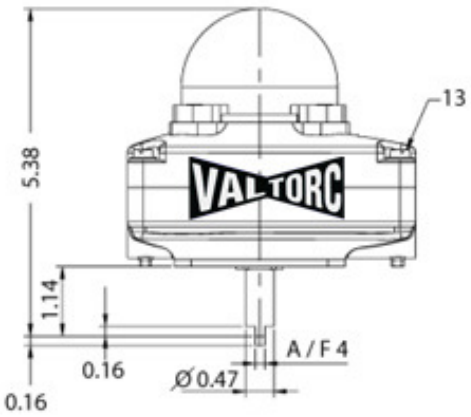
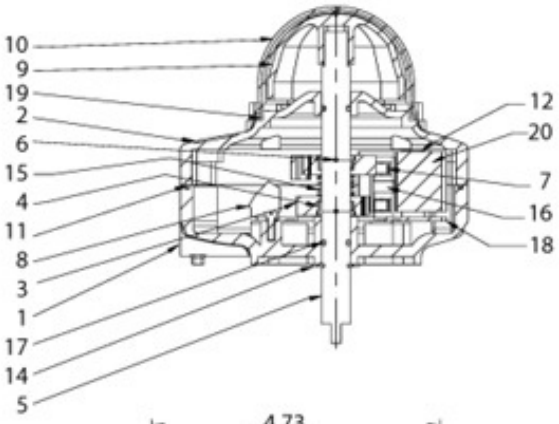
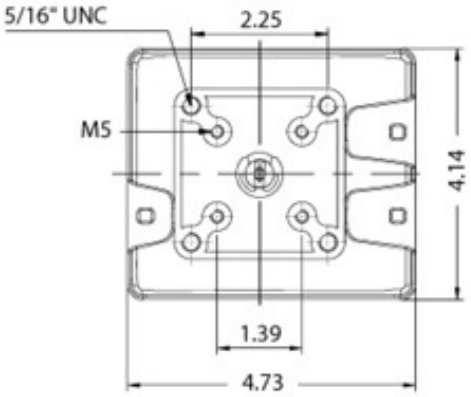
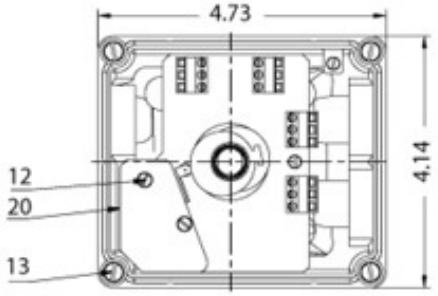
NEMA 4 and 4X





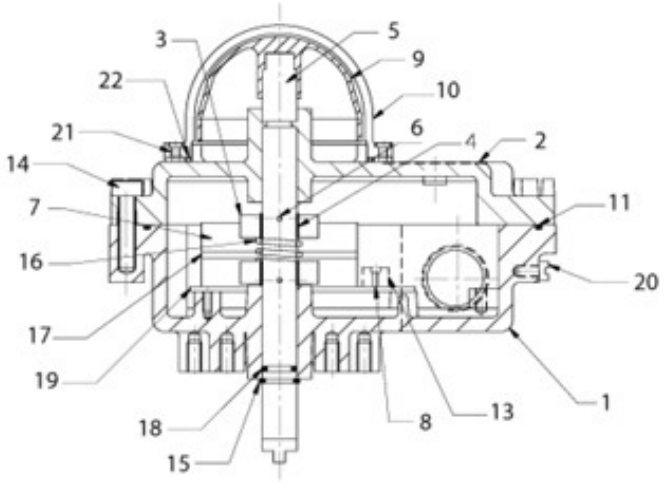


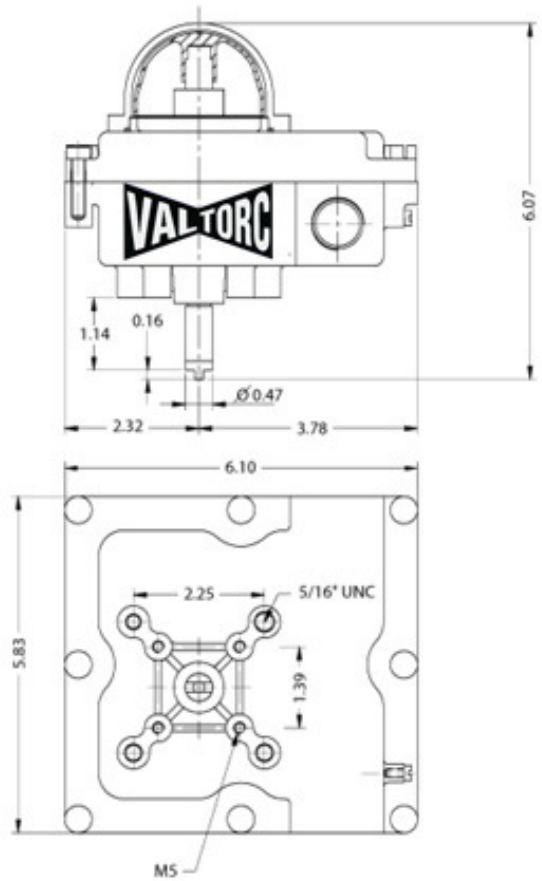


1/2" NPT CONDUIT

PART NO.	QTY	PART DESCRIPTION	STANDARD MATERIAL
1	1	HOUSING	Aluminum (LM-6)
2	1	COVER	Aluminum (LM-6)
3	2	CAM	Polycarbonate
4	2	CAM-LOCK	Delrin
5	1	SHAFT	Stainless Steel 304
6	2	SPRING DOWEL	Spring Steel
7	2	MICROSWITCH (SPDT)	Honeywell / Cherry
8	4	THREE WAY TERMINAL BLOCK	
9	1	INDICATOR	ABS
10	1	INDICATOR COVER	Polycarbonate
11	1	GASKET	NBR
12	2	MICROSWITCH BOLTS	Stainless Steel 304
13	4	NON FALLING BOLTS	Stainless Steel 304
14	1	"E" TYPE CIRCLIP	Spring Steel
15	1	SPRING	Stainless Steel 302
16	1	PAD	PA6
17	1	O-RING	NBR
18	1	CIRCUIT DIAGRAM	-
19	1	O-RING	NBR
20	1	MICROSWITCH COVER	PA6

NEMA 4, 4X, 7 and 9





3/4" NPT CONDUIT

PART NO.	QTY	PART DESCRIPTION	STANDARD MATERIAL
1	1	HOUSING	Aluminum (LM-6)
2	1	COVER	Aluminum (LM-6)
3	2	CAM	PA6
4	2	CAM-LOCK	Delrin
5	1	SHAFT	Stainless Steel 304
6	2	SPRING DOWEL	Spring Steel
7	2	MICROSWITCH (SPDT)	Honeywell / Cherry
8	4	CONNECTOR STRIP- 6 WAY	PA6
9	1	INDICATOR	ABS
10	1	INDICATOR COVER	Polycarbonate
11	1	GASKET	NBR
12	2	MICROSWICTH BOLTS	Stainless Steel 304
13	2	CONN. STRIP BOLTS	Stainless Steel 304
14	8	NON FALLING BOLTS	Stainless Steel 304
15	1	"E" TYPE CIRCLIP	Spring Steel
16	1	SPRING	Stainless Steel 302
17	1	PAD	PA6
18	1	O-RING	NBR
19	1	PCB	-
20	2	EARTHING BOLTS	Stainless Steel 304
21	4	PHILIPS HEAD BOLTS	Stainless Steel 304
22	1	O-RING	NBR

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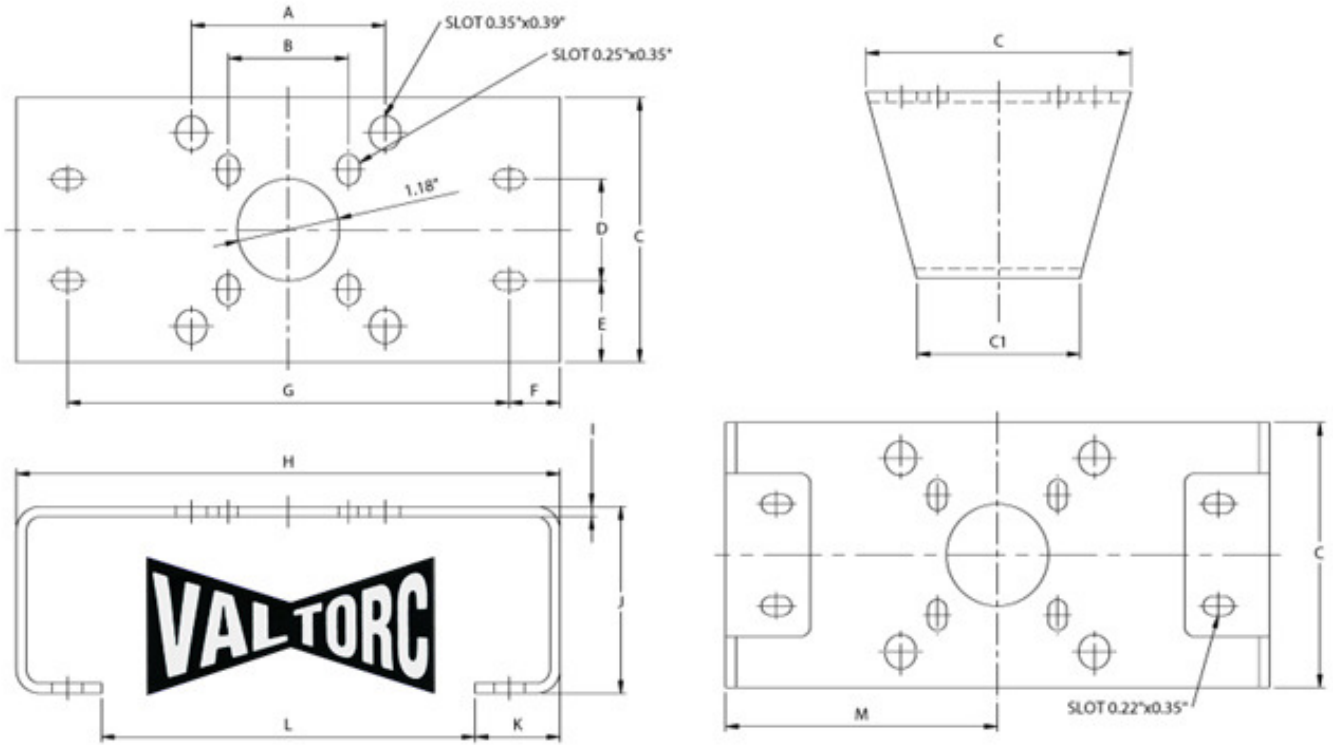
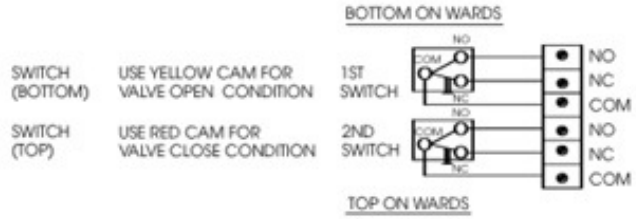
BRACKET DIMENSIONS



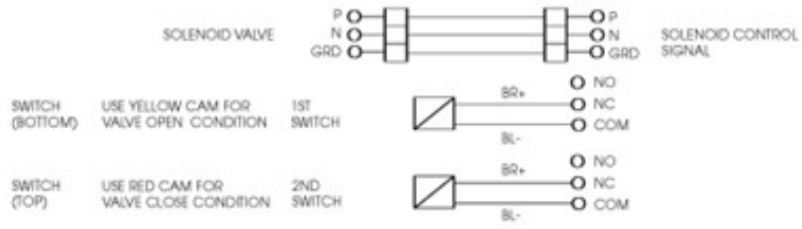
CODE	A	B	C	C1	D	E	F	G	H	I	J	K	L	M
M1	2.24	1.39	3.07	1.90	1.18	0.94	0.59	3.15	4.33	0.12	1.77	0.98	2.36	2.17
M2	2.24	1.39	3.07	1.90	1.18	0.94	0.59	3.15	4.33	0.12	2.17	0.98	2.36	2.17
M3	2.24	1.39	3.07	1.90	1.18	0.94	0.59	5.12	6.30	0.12	2.17	0.98	4.33	3.15
M4	2.24	1.39	3.07	1.90	1.18	0.94	0.59	5.12	6.30	0.12	2.96	0.98	4.33	3.15

WIRING DIAGRAM NEMA 4, 4X, 7 AND 9

MECHANICAL SWITCHES



PROXIMITY SWITCHES



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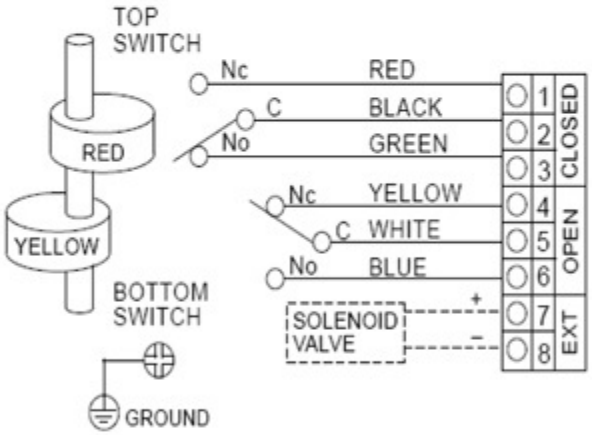
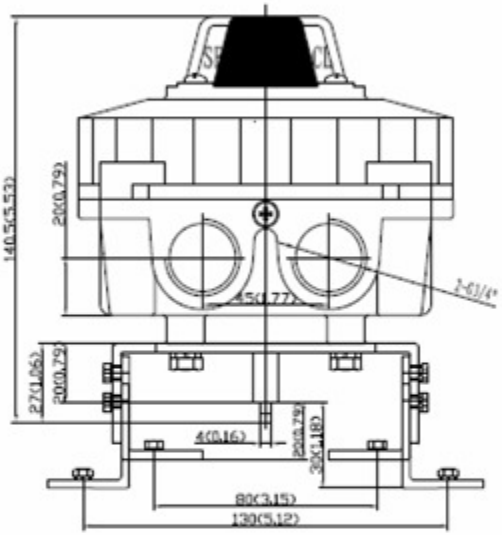
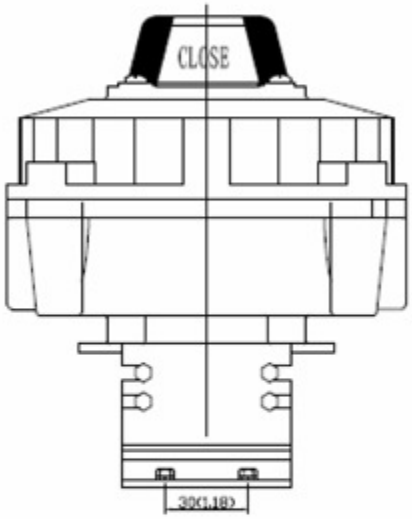
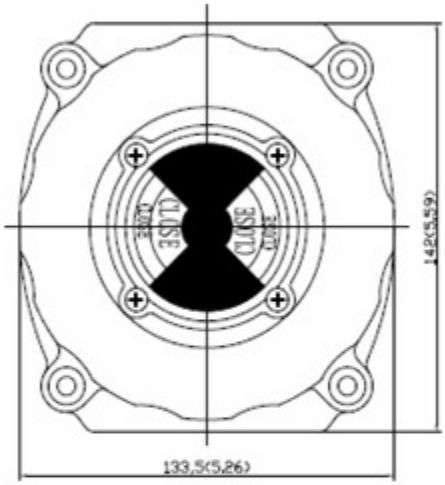
SPECIFICATIONS AND TECHNICAL DATA	
Enclosure	Die-casting aluminum: O-ring sealed
Coating	Dichromate conversion with polyester powder coating
O-rings	Buna N
Environment	NEMA 4, 4X,7,8 IP66
Area Classification	Class Ⅰ, Div.1&2, Groups A,B,C and D, Ex d IIC T6 Ex II 2G Ex d IIC T6
Fasteners	Stainless steel
Shaft	Stainless steel Namur
Conduit Entries	Two ½" BSPP
	Also available with two ½"or3/4" NPT,3/4"BSPP M20-1.5
Terminal Strip Contacts	8
Mounting Bracket	MB – 3.3: 30 x 80, 130 H:20, 30 (Carbon steel)
Temperature Rating	-20℃-85℃
Sensor: 2 SPDT CROUZET Mechanical Switches	
Model No.	M2
Operating Voltage	Max: 15A125-250 VAC
Operating Temp.	-25℃-85℃

APPROVED BY

Ex ATEX Ex NEPSI CE IP66

WIRING DIAGRAM



DRAWING AND DIMENSION