



BUILT IN RELIABILITY

















Company Profile

PNEUCON AUTOMATION is an associate company of Pneucon Valves Pvt Ltd who are pioneer in Design, Development and Manufacture of complete range of Control Valves. Pneucon Automation is promoted to manufacture complete range of AUTOMATED ON-OFF VALVES to meet the diverse automation demands of the modern process industries.

DESIGN AND ENGINEERING

Pneucon Engineering department's mission is design innovation. Our ability, experience and expertise through the use of sophisticated technology and CAD/CAE equipment results in the production of high quality automated valves for wide range of applications.

QUALITY

Pneucon limit switch enclosures are produced in strict compliance with the Quality Management System requirements and in conformance with the engineering codes in practice and relevant standards.

MANUFACTURING

Pneucon manufacturing unit is equipped with latest machineries, equipments and test facilities. Our production team of skilled workers ensure to employ latest state-of-theart modern techniques in the entire cycle of production under stringent quality control procedures. The valves and components are manufactured to the highest degree of accuracy to ensure a trouble free long life and guaranteed interchangeability of spares.

CUSTOMER SERVICE

Pneucon has fully integrated customer service division, which is fully geared to react speedily to all customers enquiries and whatever technical support needed.





Weatherproof Valve Position Limit Switch Enclosure

The LSWP-Weatherproof Limit Switch enclosure offers a wide range of signaling options in a compact corrosion resistant aluminum alloy housing. The Limit Switch indicator, represent a true indication of valve position. It is infinitively adjustable & delivers a 100% change of indication, displaying 90° of rotation by utilizing an amplified mechanical drive.

Integrated Characteristics / Features:

- Enclosure IP67 degree of protection as per IS/IEC-60529/2001 Certified by CMRI Dhanbad Certificate No.: CIMFR/TC/P/H387.
- Intrinsically Safe Exib II B/II C T6 Certified by CMRI Dhanbad as per guidelines of Clause 12 of IS/IEC 60679-11:2006 & Clause 29 of IS/IEC 60079-0:2004 Certificate No.: CIMFR/TC/P/H388.
- Rigid & compact design body constructed from Aluminum Alloy Die Casting capable of operating even in arduous conditions.
- Dome position Indicator constructed from high import resistance poly carbonate material which offers instant visual recognition.
- The locked serrated easy to adjust, spring loaded cam ensures easy setting with tool.
- · Three cable entries are provided as a Standard.
- · Complies with NAMUR Mounting Standard.
- Range of mounting accessories having the compatibility with the various Actuators available.
- Temperature range -20°C +80°C, other range available on request.







Flameproof Valve Position Limit Switch Enclosure

The LSFP-Flameproof Limit Switch enclosure offers a wide range of signaling options in a compact corrosion resistant aluminum alloy housing. The Limit Switch indicator, represent a true indication of valve position. It is infinitively adjustable & delivers a 100% change of indication, displaying 90° of rotation by utilizing an amplified mechanical drive.

Integrated Characteristics / Features:

 Enclosure - IP67 degree of protection as per IS/IEC-60529/2001 & Zone 1 & 2 and Gas Group: II C as per IS/IEC 60079-1:2007 Certificate No.: CIMFR/TC/P/1491.



- Rigid & compact design body constructed from Aluminum Alloy Die Casting capable of operating even in arduous conditions
- Dome position Indicator constructed from high import resistance poly carbonate material which offers instant visual recognition.
- The locked serrated easy to adjust, spring loaded cam ensures easy setting with tool.
- · Two cable entries are provided as a Standard.
- · Complies with NAMUR Mounting Standard.
- Range of mounting accessories having the compatibility with the various Actuators available.
- Temperature range -20°C +80°C, other range available on request.











Mounting

- · As per ISO 5211
- Two different designs available
 Fix bracket | Adjustable bracket
- All bracket are available in MS powder coated for general purpose and SS316 graded material for high corrosion resistance.
- Bracket with special slot for easy adjustments along X & Y axis for perfect alignment.





Internals

The locked serrated easy to adjust, spring loaded CAM ensures easy setting with tool.

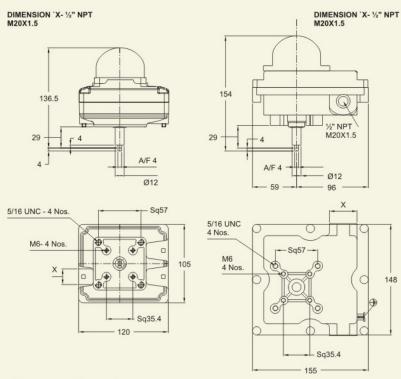


Dome

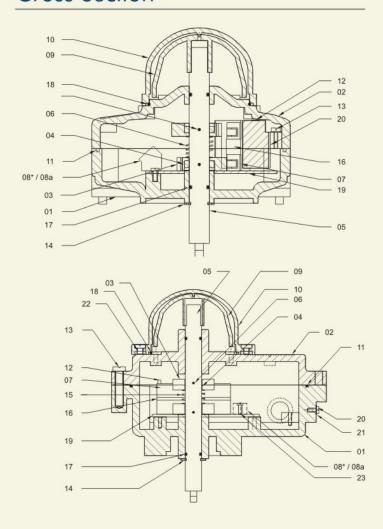
The Dome is manufactured with unique double die process. Black & Red parts are inserted in transparent and Yellow part simultaneously which ensures long life and high visibility.



Dimensions



Cross Section



MATERIAL OF CONSTRUCTION

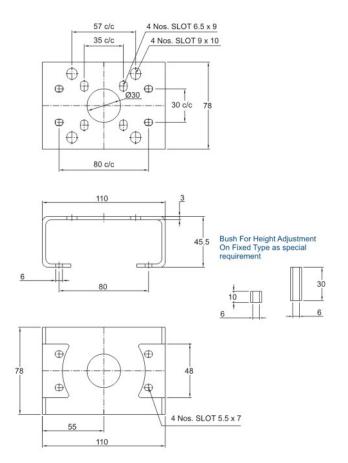
MAIL	RIAL OF CONSTRUCT	ION	
01	HOUSING	ALUMINIUM ALLOY HE-30	
02	COVER	ALUMINIUM ALLOY HE-30	
03	CAM	DELRIN	
04	CAM-LOCK	DELRIN	
05	SHAFT	STAINLESS STEEL	
06	SPRING DOWEL	SPRING STEEL	
07	MICROSWITCH (SPDT)	HONEYWELL/CHERRY/P&F	
08*	THREE WAY TERMINAL BLOCK	POLYAMIDE	
08a	CONNECTOR STRIP 6 WAY	POLYAMIDE	
09	INDICATOR	ABS PLASTIC	
10	INDICATOR COVER	POLYCARBONATE	
11	GASKET	NBR	
12	SCREW FOR MICROSWITCH	STAINLESS STEEL	
13	NON FALLING SCREW	STAINLESS STEEL	
14	'E' TYPE CIRCLIP	SPRING STEEL	
15	SPRING	SPRING STEEL	
16	PAD	POLYAMIDE	
17	SHAFT 'O' RING	NBR	
18	INDICATOR 'O' RING	NBR	
19*	PRINTED CIRCUIT BOARD	-	
20	HEAD SCREW FOR EARTHING	STAINLESS STEEL	
21	WASHER FOR HEAD SCREW	STAINLESS STEEL	
22	PHILPS HEAD SCREW	STAINLESS STEEL	
23	SCREW FOR CONN. STRIP	STAINLESS STEEL	

Note: Above marked with * is applicable for Limit Switch with PCB Card design

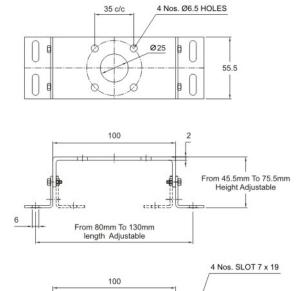


Bracket Dimensions

Fixed Type*



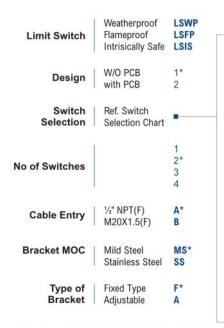
Adjustable Type



25.4

155

Ordering Information



Note: Above marked with * is default for Limit Switch if not specified.

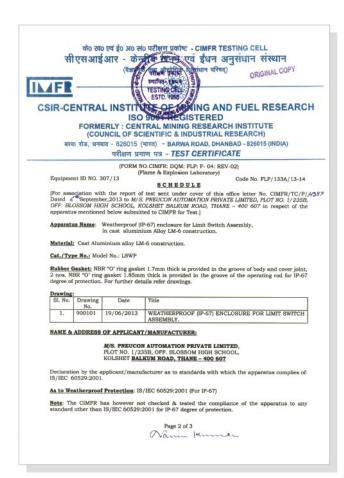
Switch Selection Chart

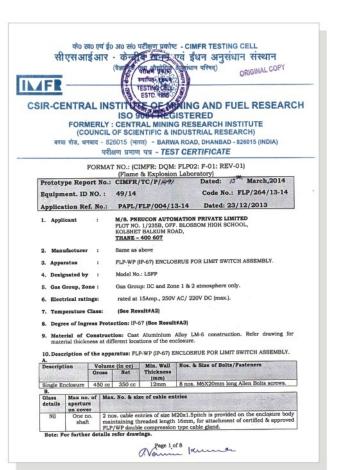
Make	Switch Model	Rating	Туре	Code
HONYWELL	V15S05-CZ100A05-01	5Amp 125 OR 250VAC 0.1Amp 48V DC, NO / NC		01*
HONYWELL	V7-1C17E9-201	15Amp 125 OR 250VAC 0.5Amp 125V DC, 0.25Amp 250V DC, NO / NC		02
P&F	NJ2-12-GM-N	8V DC, NC	EEx ia	03
P&F	NCB2-12GM35-NO	8V DC, NC	EEx ia	04
P&F	NBN4-12GM40-ZO	24V, 100mA,NO		05
P&F	NBN4-12GM35-NO	8V DC, NC	EEx ia	06
P&F	NJ4-12GM50-WS	220AC, 200mA 50Hz, 60Hz, NO		07
P&F	NJ5-18GM-N	8V DC, NC	EEx ia	08
P&F	NBB5-18GM50-Z0	24V DC, 100mA, NO		09
P&F	NJ4-12GK-N	8V DC, NC	EEx ia	10
P&F	NJ2-V3-N	8V DC, 3mA, NC	EEx ia	11
P&F	NBB3-V3-Z4	10-60V DC, 100mA, NO		12
P&F	SJ3.5-N	8V DC, NC	EEx ia	13

Ordering Example: LSWP-1-01-2-A-MS-F

Weatherproof Limit Switch Enclosure without PCB Card is provided, with Honeywell Micro Switches 2 Nos., each 1 No & 1NC, use 5Amp max. ½" NPT(F) Cable Entry, with a Milled Steel Fixed Type Bracket.

Certificates







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