



Valve Position Monitor

IP.65 | Aluminium



Type LCA valve position monitor is the latest addition to the comprehensive range of Valve Position Monitors available from Imtex Valve Communication. Designed for direct mounting to ISO-NAMUR valve actuators in General Purpose applications, the Type LCA Monitor is a compact and robust, hard anodised aluminium enclosure with 2 independently settable mechanical switches. It is the perfect solution for typical non-hazardous applications where cost and performance are critical considerations.

Overview

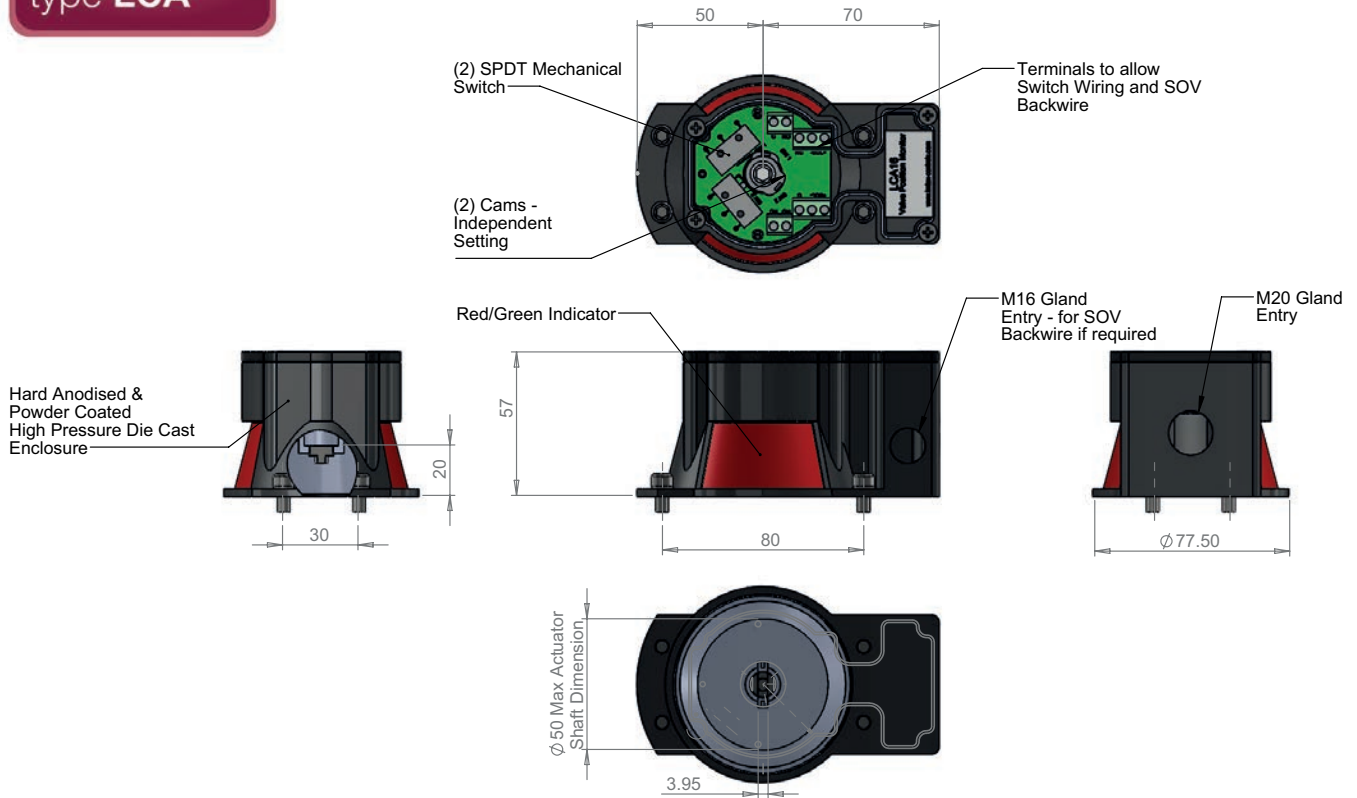
- **High Pressure Die Cast, Hard Anodised Aluminium Enclosure** – Aluminium enclosure is high pressure die cast to provide a clean surface texture before being hard anodised finished for enhanced environmental performance. The enclosure is then powder coated to further improve protection
- **SPDT Mechanical Switch Version** – Lever operated, low contact resistance (2) micro-switches for long operational life.
Optional Version – (2) Slot style inductive proximity sensors.
- **Infinitely Adjustable Switch Cams** - Cams are independently set to exact operating position requirement before being locked in place.
- **Additional Terminals for Back-wired Solenoid** – (2) additional terminals are provided to allow termination of a back-wired solenoid mounted on the actuator with a further 2 terminals provided for field wiring to the solenoid.
- **Conduit Entry Points** – (1) M20 entry for field wiring and optional (1) M16 entry for back-wired solenoid
(Note – M16 entry is plugged when not required).
- **High Visibility Red-Green Indicator**– Visual indicator allows visual confirmation of valve position from all sides around the LCA Monitor
- **Clear Cover Option**– As standard, the Type LCA Monitor is supplied with an Aluminium cover but a clear cover option is available on request.
- **Direct Mounting to NAMUR Actuators** – The Type LCA Monitor fits directly to an actuator with VDI/VDE 3845 - NAMUR Size 1 accessories interface. For sizes 2 to 4 spacer blocks or adapter plates are available.



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Note: For NAMUR Size 2 to 4 - Spacer adapters are available

Model Number Compilation (Drawing No. A190363)

Type	Electrical Function	Material of Construction	Conduit Size	Output Drive	Visual Indicator	Feature
LCA	16	9	4	N	R	- S01

Code Electrical Function - Standard Options ¹

16	(2) SPDT Mechanical Switches
43	(2) Slot Style Inductive Proximity Sensors

Material of Construction (Enclosure)

8	Clear ABS Cover & Housing
9	Aluminium Cover & Housing

Conduit Size

4	(1) M20 x 1.5 (Second M16 Entry Plugged)
R	(1) M20 x 1.5 (Central Entry) (1) M16 x 1.5 Side Entry

Code Output Drive

N	Namur
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Visual Indicator*

R	Red (Closed) / Green (Open)
0	No Visual Indicator

Feature

S01	Direct Mount to Namur Size 1 Actuator
S02	Spacer Mount to Namur Size 2 Actuator
S03	Adapter Plate Mount to Namur Size 3 Actuator
S04	Adapter Plate Mount to Namur Size 4 Actuator
'xxX'	See Note ²

NOTES

- Other Electrical Functions are available 'On Request'.
- The exact detail of electrical function fitted or any other special feature is not fully specified by the basic model code, therefore, the Feature Designator provides a mechanism or cross referencing to a centralised engineering log which identifies the detailed specification of the parts fitted in the given unit.
- Please refer to our Product Overview leaflet for full specification of the Electrical Functions provided or consult our Technical Sales.



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