

JV241007

Limit Switchbox Position Monitoring for Pneumatic Actuators

2 x SPDT Switches



The JV241007 limit switchbox is a multifunctional unit that gives clear visual indication of the valve position as well as an electrical feedback from two micro switches.

Approvals, Features & Benefits

- IP68 waterproof
- Visual position dome indicator
- 2 x SPDT switches
- Aluminium die-casting housing
- NAMUR interface bracket

Ratings

- 16A - 1/2 HP 125/250VAC
- 0.6A - 125VDC
- 0.3A - 250VDC

A	B	C	D	E	F	Cable Entry	Interface	Weight Kg
117	56	23	20	107	80	2 x M20 x 1.5	NAMUR	0.8

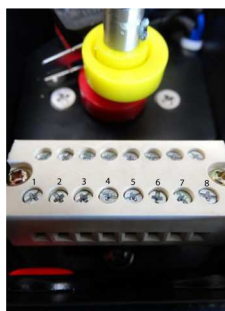
Installation Instructions

1. Mounting

Bracket adjustment can be configured with modular bracket in line with NAMUR standard, combinations shown in figure 1.

2. External Wiring & Switch Cam Set (default switch location)

- Loosen the four fastening screws on the switch cover, open the upper cover. According to the design of control system and requirements, feed the cables through conduits.
- Recommended cable wiring size for standard screwed terminals is 0.5mm² to 1.0mm² with a maximum of 2.5mm² (push type terminals 1.5mm²).
- Terminals 1 - 3 is off. 1 - 2 NC & 2 - 3 NO.
- Terminals 4 - 6 is on. 2 - 3 NC & 5 - 6 NO.
- Terminals 7 - 8 is not used.
- Upper cam (yellow) is connected to open switch, to adjust push downwards and rotate to required position as shown in figure 2.
- Lower cam (red) is connected to closed position, to adjust pull upwards and rotate to required position as shown in figure 2.



3. Visual Indicator Adjustment

- Turn valve to either open or closed position, observe indicator and if incorrect, proceed to next step.
- Remove the four fastening screws on the indicator cover and rotate to the desired position.

4. Operation Notes

- Switch power off before removing cover.
- Ensure O-rings are not damaged when replacing cover.
- Cable connectors that are not used must be sealed with plugs to ensure waterproof.

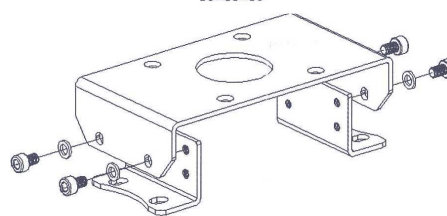
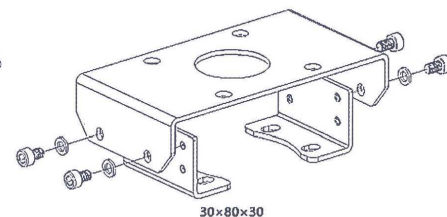
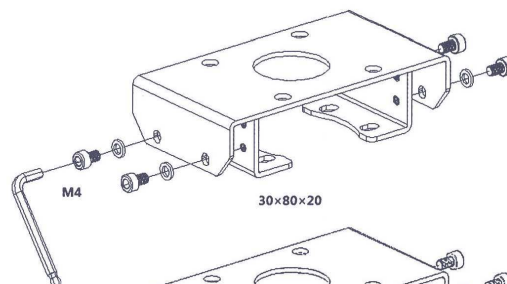


Figure 1

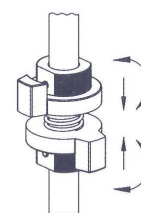
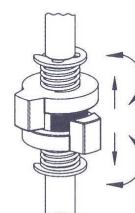


Figure 2