

Flow+

**FL31000
and FL41000
Limit Switch
Boxes**



ISO
9001

CSA

3 YEAR VIEW TERMS
& CONDITIONS
WARRANTY

FL31000 Features

- Solid and Compact Design.
- Weatherproof and Corrosion Resistant NEMA 4, 4X, IP67 Enclosure.
- Captive Stainless Steel Cover Bolts.
- Green/Red Position Indicator.
- Easy adjustment of CAM position.
- 8 contacts of terminal ports.
- Dual ½" conduit entries.
- Quick-Set, Spring Loaded, Splined Cams require no tools for adjustments.
- Qty. 2 OMRON SPDT Mechanical Switches rated at 5 amps at 120 VAC / 4 amps at 30 VDC (other switches available on request).
- Approvals: UL, CSA, SEMKO, and SEV EN61058.

FL31000 Materials

Housing Cover and Body	Powder Coated Painted Aluminum
Shaft	Stainless Steel
Indicator Cover	Polycarbonate
Indicator	ABS/Polycarbonate
Cam	Polycarbonate
Spring	Stainless Steel
Housing Cover Bolt	Captive Stainless Steel
O-Ring	NBR
Bushing	Bronze
E-ring (shaft)	Stainless Steel
Ground lug	Stainless Steel
Bracket	Stainless Steel

FL31000 Specifications

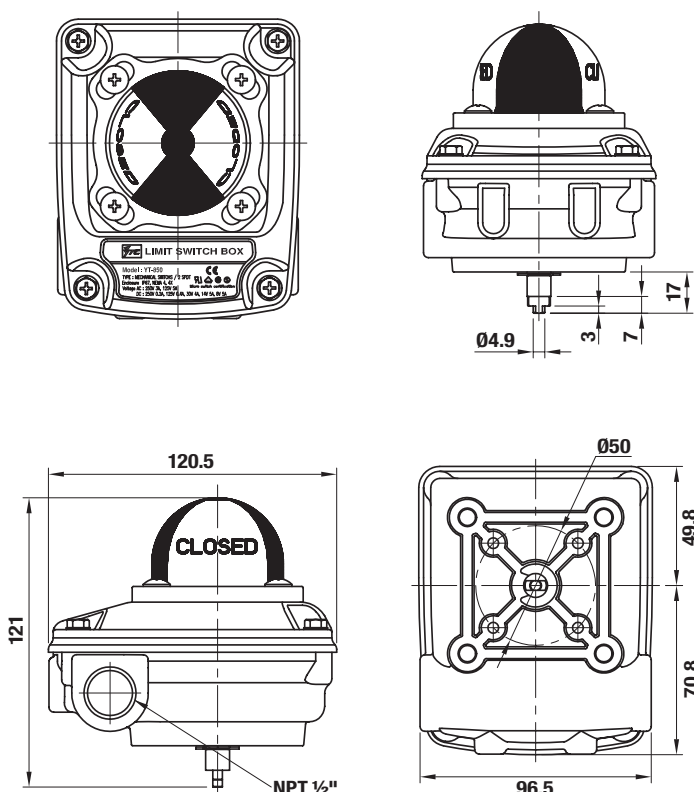
Model	Flow+ #FL31000
Enclosure	IP67, NEMA 4, 4X
Type	Mechanical Switch/2SPDT
Voltage AC	250V 3A, 125V 5A
DC	250V 0.2A, 125V 0.4A 30V 4A, 14V 5A, 8V 5A

About Flow+ Limit Switch Boxes

Flow+ manufactures limit switches which are durable, versatile, cost-effective, perform well after many cycles and are perfect for extensive commercial and industrial use.

Flow+ limit switches are suitable for a full range of water, gas, steam, petrochemical and general use/utility services and applications

Flow+ limit switches feature a compact design and provide low cost solution to visual and electrical indication of rotary valve and actuator position.



FL41000 Materials

1	Indicator	ABS
2	Cover Indicator	Poly-Carbonate
3	Housing Cover	Powder Coated Painted Aluminum
4	Housing Body	Powder Coated Painted Aluminum
5	Shaft Main	STS303
6	Plate Name	2M CH PET

FL41000 Specifications

Model	Flow+ #FL41000
Explosion Proof	Ex db IIC T6 / Ex tb IIIC T85°C
Enclosure	IP67
Ambient Temp.	-20°C to +60°C
Switch Type	Mechanical Switch / 2SPDT
Frequency	50~60Hz
Rating AC	250VAC 3A, 125VAC 5A
Rating DC	250V--- 0.2A, 125V--- 0.4A, 30V--- 4A, 14V--- 5A, 8V---5

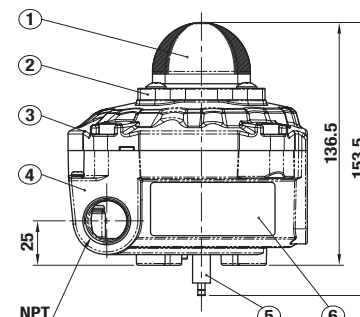
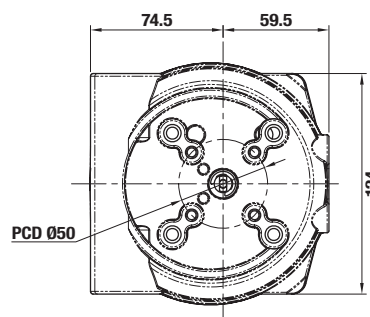
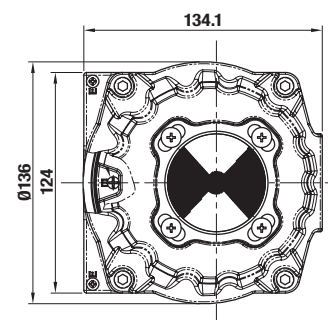
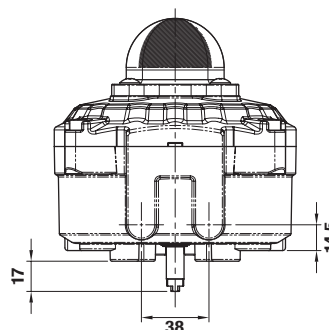


With a powder coated die-cast aluminum housing and captive cover bolts, Flow+ limit switches offer superior corrosion resistance.

Special printed circuit board eliminates all wiring from the switch element to the terminal while providing protection against short circuits. Complies to NAMUR mounting standards. NAMUR pattern mounting kits available. 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. Solenoid termination inside switch box.

FL41000 Features

- Solid and Compact Design.
- Weatherproof and Corrosion Resistant NEMA 4, 4X, IP67 Enclosure.
- Captive Stainless Steel Cover Bolts.
- Yellow/Red Position Indicator.
- Easy adjustment of CAM position.
- 8 contacts of terminal ports.
- Dual ½" conduit entries.
- Quick-Set, Spring Loaded, Splined Cams require no tools for adjustments.
- Qty. 2 OMRON SPDT Mechanical Switches rated at 5 amps at 120 VAC / 4 amps at 30 VDC (other switches available on request).
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- 1,2,3 Piece Ball Valves
- Flanged Floating Ball Valves
- Knife Gate Valves
- Butterfly Valves
- Actuation
- Position Switches



- Y, Basket and Temporary Strainers
- Check Valves
- Triple Duty Valves
- Foot Valves
- Expansion Joints



- Pressure Gauges and Accessories
- Thermowells and Thermocouples
- Temperature Indicators
- Needle Valves



- Cast and Forged Steel Gate, Globe and Check Valves
- Cast Iron Gate, Globe, and Check Valves
- Bronze Gate, Globe, and Check Valves
- Brass Ball Valves



- Cast Gate, Globe and Check Valves
- Forged Gate, Globe and Checks
- Threaded Ball Valves
- Flanged Ball Valves



Edmonton, Alberta

7136 – 56 Avenue NW
Edmonton, AB T6B 1E4
Telephone: (780) 461-6499
Fax: (780) 461-6485
west@valvsource.com

Calgary, Alberta

3815 – 32nd Street NE
Calgary, AB T1Y 7C1
Telephone: (403) 236-4888
Fax: (403) 236-7629
calgary@valvsource.com

Oakville, Ontario

2305 Wyecroft Road
Oakville, ON L6L 6R2
Telephone: (905) 608-2200
Fax: (905) 608-2211
east@valvsource.com

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