



The Explosion Proof Limit Switch Box offers a wide range of signalling options in a compact corrosion resistant aluminium alloy housing. Available for close - mounting onto Kinetrol actuators or discrete mounting via a Kinetrol 05 square or industry standard VDI/VDE interface onto any make of rotary actuator. Easy to wire and set up with true industrial robustness.

Internally fitted options include AS interface digital communication and a 4-20mA, 2-wire, modulating angle retransmit circuit. The range of switches and terminal arrangements includes 2 or 4 switches and extra connections - allowing single point termination of wiring for limit switches and solenoid valves. This product is available to mount on Kinetrol models 03 - 60.

- Wide range of worldwide explosion proof approvals including IECEX, ATEX & FM (for USA & Canada) - all in one device
- All units protected to IP66 / NEMA 4X / TYPE 4X
- Attractive, functional and part-spherical profile. Robust corrosion resistant, anodised & epoxy painted diecast aluminium alloy housing
- Close - mount to Kinetrol actuator models 03 - 15 for low profile
- Discrete Kinetrol 05 square drive insert for use with Kinetrol actuator models 16 - 60
- Discrete NAMUR drive for use with VDI/VDE 3845 drive actuators
- 2 or 4 cable entries available to allow back wiring of solenoid valves
- Up to 4 switches available for SPDT, DPDT or multiple circuit operation
- Easy and accurate setting of switching position
- Optional antistatic Clear Cone Monitor available
- Integral angle retransmit circuit options are available
- Integral AS interface bus circuit option reads up to 4 switch inputs and drives up to 2 bus powered solenoids
- -40° C to +80° C ambient operating temperatures (dependent on switch options)
- Positioner options available



## Switching Operation Conditions

Switch Code	Voltage		Current	Temperature Range
	AC	DC		
1/A	—	8	6mA	-20°C to +80°C
4/7	250	48	2.4A AC/1.8A DC	-40°C to +80°C
5/B	250	300	100mA	-25°C to +70°C
6/C	—	60	100mA	-20°C to +80°C
9/D	—	30	100mA	-40°C to +80°C
E/F	140	140	200mA	-25°C to +80°C
M/N	—	30	100mA	-25°C to +70°C

## Labels

### IECEX & ATEX - Approval type E



### FMC/U, IECEx & ATEX - Approval type F & P



## Specification

### NORTH AMERICAN APPROVAL

**Type of protection, Explosion Proof**  
 US: Class I, Division 1, Gas groups B,C,D. Class II, Division 1, Dust groups E,F,G. T5 NEMA 4X.  
 For Gas group A use order code "P".  
 CANADA: Class I, Division 1, Gas groups B,C,D. Class II, Division 1, Dust groups E,F,G. T5 TYPE 4X.

**EUROPE/GLOBAL - ATEX / IECEx APPROVAL**  
**Protection concept, Flame Proof 'd'**  
 Group II C/A21, Category 2, Gas & Dust, T5, IP66

**Casing** precision diecast LM24 alloy, anodised & epoxy stove enamel.

**Coupling** zinc plated steel.

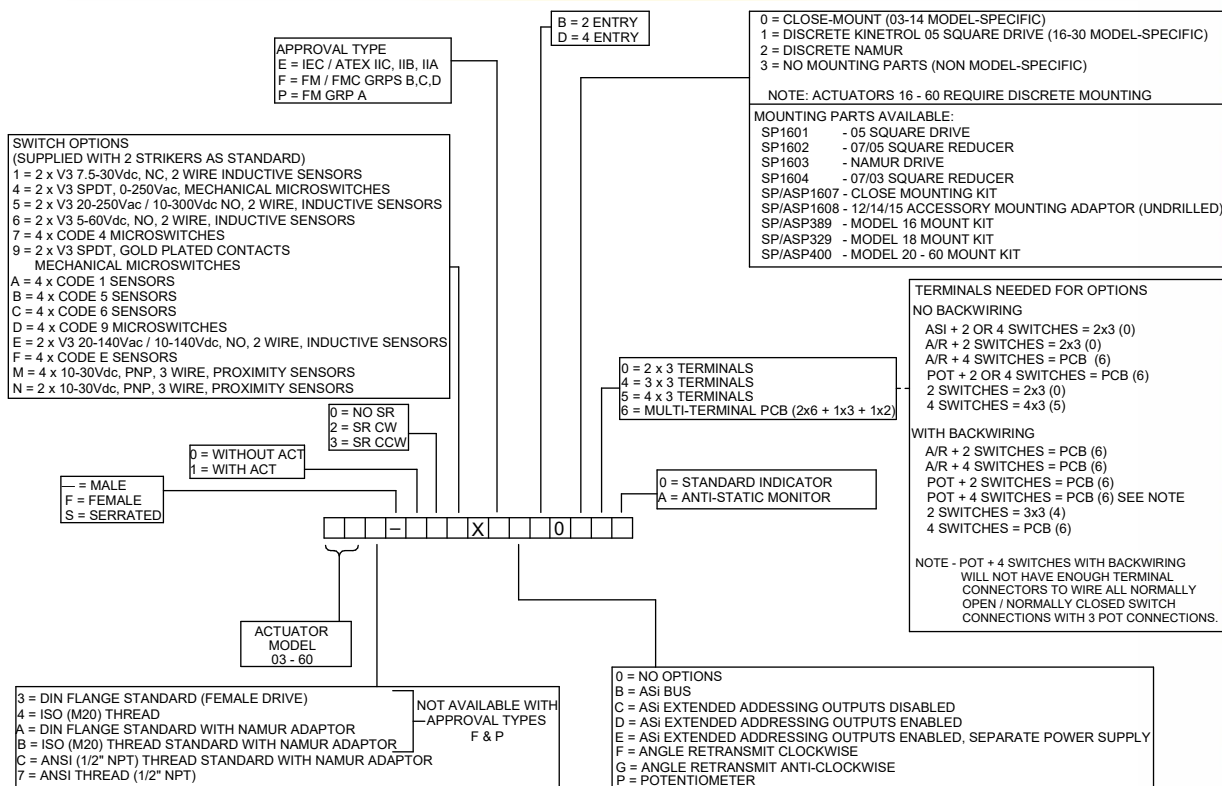
**Seals** fluoropolymer dynamic seals and NBR static seals.

**Weight** 1.5 kg

**Cable Entry Options** M20 x 1.5 or 1/2" 14 NPT conduit entry threads.

**Dimensions** see page 61

## Ordering Codes



For more information  
see KF-619

