



The explosion proof P3 on/off positioner offers a robust three position rotary control device with a fast, smooth, accurate response in a compact corrosion resistant, aluminium housing.

The unit is available ATEX approved to Category 2 and offers four voltages, many switch options and angle position feedback. Available for close mounting on Kinetrol actuator models 05 to 15 or discrete mounting via a Kinetrol 05 square or NAMUR drive.

Specification

European / Global Protection ATEX / IECEx Approval

Exd Group IIC Category 2
Gas & Dust T5, IP66

Voltages

240V ac, 115V ac
48V dc, 24V dc

Working Temperature Range

-20°C to +60°C

Power Consumption

positioner 1.5 W max.
solenoids 5 VA max. per
solenoid.

Selected External Inputs

4-20mA - impedance
250 ohm.
potentiometer - minimum
resistance 10K ohm.

Casing

precision diecast LM24 alloy,
anodised & epoxy stove enamel.

Coupling

zinc plated steel or stainless
steel option.

Positioner Performance

linearity -
better than 1% of range
deadband -
0.1 to 3% of range
(subject to optimisation
of speed, deadband and
damping).

Optional 2-wire Angle Transducer

supply voltage -
8.5 to 27V dc
output -
4-20mA, linearly proportionate
to angular position, electrically
isolated from all other inputs
and outputs
functions with or without
positioner circuit energisation

Dimensions

see page 64

Ordering Codes

SWITCH OPTIONS
(SUPPLIED WITH 2 DOGS AS STANDARD)
0 = NO SWITCHES
1 = 2 x V3 PROXIMITY SENSORS
4 = 2 x V3 SPDT SWITCHES
5 = 2 x 20-250Vac, 10-300Vdc PROXIMITY SENSOR
6 = 2 x 5-60Vdc PROXIMITY SENSOR
7 = 4 x V3 SPDT SWITCHES
9 = 2 x V3 SPDT GOLD PLATED CONTACTS
A = 4 x V3 PROXIMITY SENSORS
B = 4 x 20-250Vac, 10-300Vdc PROXIMITY SENSOR
C = 4 x 5-60Vdc PROXIMITY SENSOR
D = 4 x V3 SPDT GOLD PLATED CONTACTS
E = 2 V3 20-140Vac, 10-140Vdc PROXIMITY SENSOR
F = 4 V3 20-140Vac, 10-140Vdc PROXIMITY SENSOR
N = 2 V3 10-30Vdc 3-WIRE PROXIMITY SENSOR

**DOUBLE ACTING / SPRING
RETURN**
2 = SR CW
3 = SR CCW
4 = DA CCW ON SIGNAL RISE
7 = DA CW ON SIGNAL RISE

0 = WITHOUT ACT
1 = WITH ACT

- = MALE
F = FEMALE
S = SERRATED

DOUBLE ACTING FAIL MODE
H = FAIL-HOLD
- = FAIL-FREE (STANDARD)
D = FAIL-DOWN

1 = CLOSE / DIRECT MOUNT
2 = DISCRETE MOUNT KINETROL 05 SQUARE
3 = DISCRETE MOUNT NAMUR INTERFACE

FLOW REG / SILENCER OR AR
0 = NO FRS OR AR
1 = FRS
2 = FRS + AR
3 = AR

0 = STANDARD INDICATOR
A = ANTI-STATIC MONITOR
M = MONITOR
C = CHEMICAL RESISTANT MONITOR } NOT AVAILABLE WITH
APPROVAL TYPES E, F & P

**ACTUATOR
MODEL**
05 - 15

SUPPLY VOLTAGE
0 = 240V ac
1 = 115V ac
2 = 24V dc
3 = 48V dc

4 = ISO THREAD (M20)
3 = DIN FLANGE (M20 - FEMALE DRIVE)
7 = ANSI THREAD (1/2" NPT ON XLS, 1/2" NPS ON ULS)

APPROVAL TYPE
E = IEC / ATEX IIC, IIB, IIA (XLS)

Actuator size 05
must be fitted with
flow regulators

