



2030 | Electronic position transmitter



Product description

The Electronic Position Transmitter (model **2030**) is suitable for installation on quarter turn and linear actuators. It has been designed to meet various industrial application requirements, for example on board pneumatic actuators.

The enclosure has the capability to house a wide range of either mechanical or inductive limit switches (up to 4).

A shaft with a manually-adjustable cam is used for accurate and easy setting of the limit switches which are prewired to a terminal strip.

Advantages

- **Contactless sensor**
- **Easy configurable for 30-90° angles**
- **Direct or reverse action**
- **Explosion proof version**
- **Position transmitter / Position Transmitter + Limit switch version available**
- **Available with integrated limit switches (see page 6)**

Key features

Suitable for

- Standard, Offshore, Sandstorm, copper free ambient condition
- Single and double acting actuators
- Low and high ambient temperature
- Quarter turn and linear actuators
- Design to be coupled with STI motion converter device (see page 24)

Electrical certifications

- Protection degree: IP66
- Hazardous area certification: ATEX EExd II 2 G EEx d IIC T6
- CE and EMC certifications

Technical specifications



Position transmitter with limit switches (ALUMINUM) - See page 6



Position transmitter without limit switches (ALUMINUM)



Position transmitter without limit switches (STAINLESS STEEL 316)

Housing materials

- Painted RAL 9005 aluminum
- Stainless steel 316 (without limit switches)

Output

- 4-20 mA (passive loop)

Operating temperature

- - 40°C / + 85°C

Operative angle

- 30° - 90°

Accuracy (*)

- < 0,5% (including linearity, repeatability and hysteresis)

Action

- Direct or reverse locally configurable by a simple switch

Loop supply effect (*)

- < 0,2% on the full supply range

Supply range

- 12 to 32 Vdc, reverse polarity protected

Temperature drift (*)

- < 0,3% every 10°C

Zero and span adjustment

- Locally adjustable with a screw driver

Response time

- < 0,2 s

Weight

- TR Aluminum = 1,6 kg
- TR + LS Aluminum = 2,2 kg
- TR Stainless steel 316 = 5 kg

(*) Referred to 90° operating angle.

Dimensional drawing

