

TEMPERATURE SWITCH



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General Duty Temperature Switch

Main Features

- Excellent repeatability
- Dead band adjustment for regulation
- Fix dead band for control and alarm
- Capillary 1 to 20 meters



Explosion Proof Temperature Switch

Main Features

- Excellent repeatability
- Dead band adjustment for regulation
- Fix dead band for control and alarm
- Explosion proof hazardous areas 1, 2, 21, 22

APPLICATION

Suitable for power generation safety equipment

SPECIFICATION - TECHNICAL DATA

Temperature Switch Type	General Duty	Explosion Proof
Temperature Range	-46 ... 0°C to 200 ... 270°C -46 ... 0°C to 200 ... 270°C	
Temperature	Process : -46 ... +270°C / Ambient : -30 ... +55°C / Storage : -40 ... +55°C	
Repeatability	± 1% F.S. / Constant temperature cycle	
CE Conformity	Low voltage directive 2014/35/EU	Low voltage directive 2014/35/EU ATEX Directive 2014/34/EU
Protection Ring	IP 66 (EN 60529)	
Process Connection	Stainless steel 1.4404 (316L)	
Bulb	Stainless steel 1.4435 / 1.4404 (316L)	Stainless steel 1.4404 (316L)
Capillary	RTA : Copper alloy / RTN : Stainless steel 1.4404 (316L) Capillary without protection / with Stainless steel protection / with PVC coating	
Scale	Internal. accuracy on reading ± 5% F.S.	
Cover / Housing	Zamak blue painted Captive stainless steel screws	Type RA80, Explosion proof, Flameproof Aluminium epoxy painted Captive stainless steel screws
Case	Black zamak	-
Mounting	Wall mounting bracket	3 back lugs for wall mounting
Ground Connection	Via internal terminal block	
Electrical Connection	Terminal block with plastic cable gland for Ø 7 to 10.5mm	Terminal block with metallic cable gland for Ø 7 to 12mm standard
Electrical Function	1/2 - SPDT - Std. / Hermetically / Ultra sensitive / Gold contact switch	
Adjustment	2 external adjustment screws on top of the case for set point and dead band	
Approval	-	Certificate LCIE 03 ATEX 6231X (Type RA80), IECEx LCIE 15.0061X Classification CE, Ex II 2 G D, Ex d IIC T6 or T5 GB, Ex tb IIC T8 °C or T95 °C Db T° ambient -20 °C to +60 °C (T6 or T8 °C) or -20 °C to +70 °C (T5 or T95 °C)
Options	<ul style="list-style-type: none"> • Customer specific set point adjustment Code SETP • Mounting on 2" pipe Code 0407 • Stainless steel tag plate and wire Code 9941 • Lead seal of the adjustment screws Code 8990 • Nuclear cleanliness (RTN only) Code 0838 • Electrical connection : Code 2298 Stainless steel connector (Souriau) • Mobile plug for stainless steel Code 2249 connector (Souriau) 	<ul style="list-style-type: none"> • Customer specific set point adjustment Code SETP • Mounting on 2" pipe Code 0407 • Stainless steel tag plate and wire Code 9941 • Lead seal of the adjustment screws Code 8990 • Nuclear cleanliness (RTN only) Code 0838

*Specification given are subject to changed without further notice.