

# Ajax

## Series **XP** FLAMEPROOF TEMPERATURE SWITCHES



CE  
0518



I M2 / II 2G  
EExd I / IIB + H<sub>2</sub> T6

- **SIRA** Certificate No: 03ATEX1507 Issue 1  
EU Directive 94/9/EC (ATEX Directive)  
CENELEC EN 50014, EN50018  
(Zones 1 and 2 Hazardous Areas)
- **Weatherproof Enclosure in Gunmetal or Stainless Steel.**  
Environmental Protection Approval to IP66  
according to IEC-144.
- **Versatility of Switching Circuits.**
- **Rugged Construction, Vibration and Shock Resistant.**
- **Temperature Ranges: +25°C to +95°C**  
Direct mounting

The Bamford Ajax XP series of Flameproof Temperature Switches are a new generation of ruggedly constructed devices for automatic control and reliable protection of machinery and plant in hazardous areas. Connections include screwed male, female loose nut or flanged type. Units can be mounted in any attitude without affecting their performance. The functionally designed enclosure is standard on all models to meet the arduous conditions experienced in the petro-chemical and offshore industries. The switch housing can be supplied with either single or double cable entries for fitting with approved cable glands. The standard precision snap action micro-switch is a single pole double throw type; however, one or two microswitches with silver plated noble metal contacts may be fitted to provide versatility of switching circuits. All models are factory set but field adjustable. Liquid thermal systems are utilised to give high reliability and consistent repeatability of trip points.

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# Specifications

MODEL No.	RANGE	DIFF *	MAX TEMPERATURE
XP/ST/1	+24 to +95°C	4°C	150°C

\* Alternative reset differentials available.

## Fixing Connection

¾" BSP male short probe,  
1" BSP male long probe,  
1¼" BSP female loose nut long probe and  
flanged type long probe.

## Conduit entry

Either one or two M20 or M25 x 1.5 pitch.

**Connector size:** 0.5mm<sup>2</sup> - 2.5mm<sup>2</sup>

**Earthing screw:** M5.

## Ambient Temperature Range of Switch Enclosure:

-20°C to +40°C

## Maximum Operating Temperature Range of Working Medium:

-10°C to +93°C

## SWITCH RATING (STANDARD)

VOLTS	DC		AC	
	RES	IND	RES	IND
30	10A	10A	10A	10A
125	0.5A	0.07A	10A	10A
250	0.25A	0.03A	10A	10A

Alternative switches may be fitted for 440 volts or intrinsic safe circuits.

## Switch Housing:

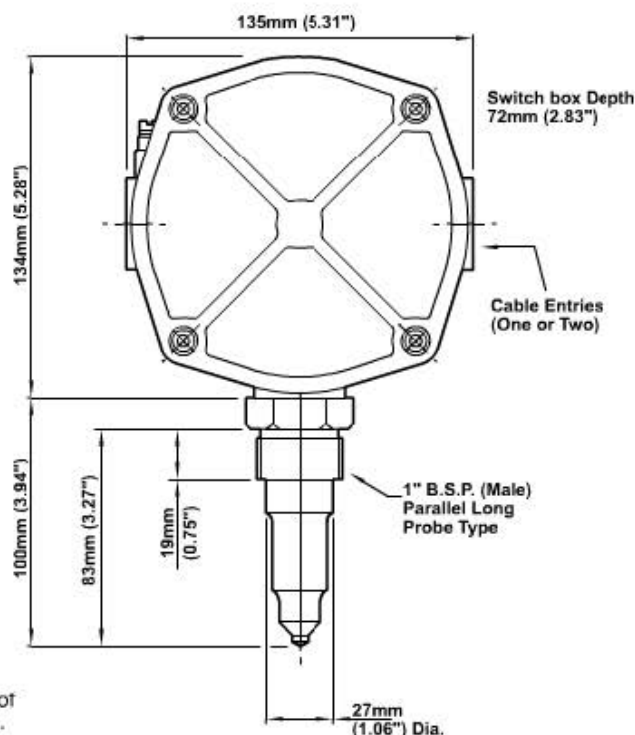
Manufactured in either:  
Gunmetal BS EN 1982 LG2/LG4  
Stainless steel grade 316.

## Wetted parts:

Manufactured in either:  
Stainless steel grade 316.  
Manganese bronze BS 2874 CZ114.

## Dimension Drawing

### Model ST



This drawing is representative of the range of switches available. Please consult the factory for a detailed drawing/specification sheet.



Certificate No: FM 13215