

Ajax

Series **AJ** INDUSTRIAL TEMPERATURE SWITCH



- Temperature range
40°C – 90°C (104°F – 194°F)
- Weather resistant enclosure
- Factory set or field adjustable
- Rugged construction, vibration and shock resistant
- Fixed differential

The Bamford Ajax AJ series of Industrial Temperature Switches have been designed to provide automatic control and protection of plant and equipment where it is necessary to monitor the temperature of lubricating oil and cooling water circuits, on transformers, generators and diesel engines, also hydraulic power packs. These devices are ruggedly constructed in bronze and utilize a weather resistant switch housing containing a single pole double throw switch which can be factory set or field adjustable. Other switches can be supplied including an Intrinsically Safe version with silver plated noble metal contacts. They will operate over a wide temperature environment and can be mounted in any attitude without affecting their performance. The prime mover to the micro switch is provided by a liquid filled thermal system which is utilized to give a high reliability and consistent repeatability of trip points. The standard switch housing can be replaced by ATEX certified (See leaflet XP1) models on request.

F. Bamford (Instruments) Ltd.

Ajax Works,
Whitehill,
Stockport, SK4 1NT. United Kingdom.

Telephone: 0161-480 6507

Fax: 0161-474 7990

Web: www.bamfordinstruments.com

Email: sales@bamfordinstruments.com

Specifications

Operating alarm range:
40°C – 90°C (104°F – 194°F)

Switch differential:
Standard 2.8°C
Intrinsically Safe 9°C

Fixing connection:
3/4" BSP parallel (male)

Switch housings:
Weather resistant

Conduit Entry:
M20 X 1.5 PITCH

Max. Working Temperature:
Both models 95°C.

SWITCH RATING

VOLTS	DC		AC	
	RES	IND	RES	IND
30	2A	1A		
125	0.5A	0.02A	15A	5A
250	0.25A	0.02A	15A	5A
440	*	*	*	*

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

Materials of Construction

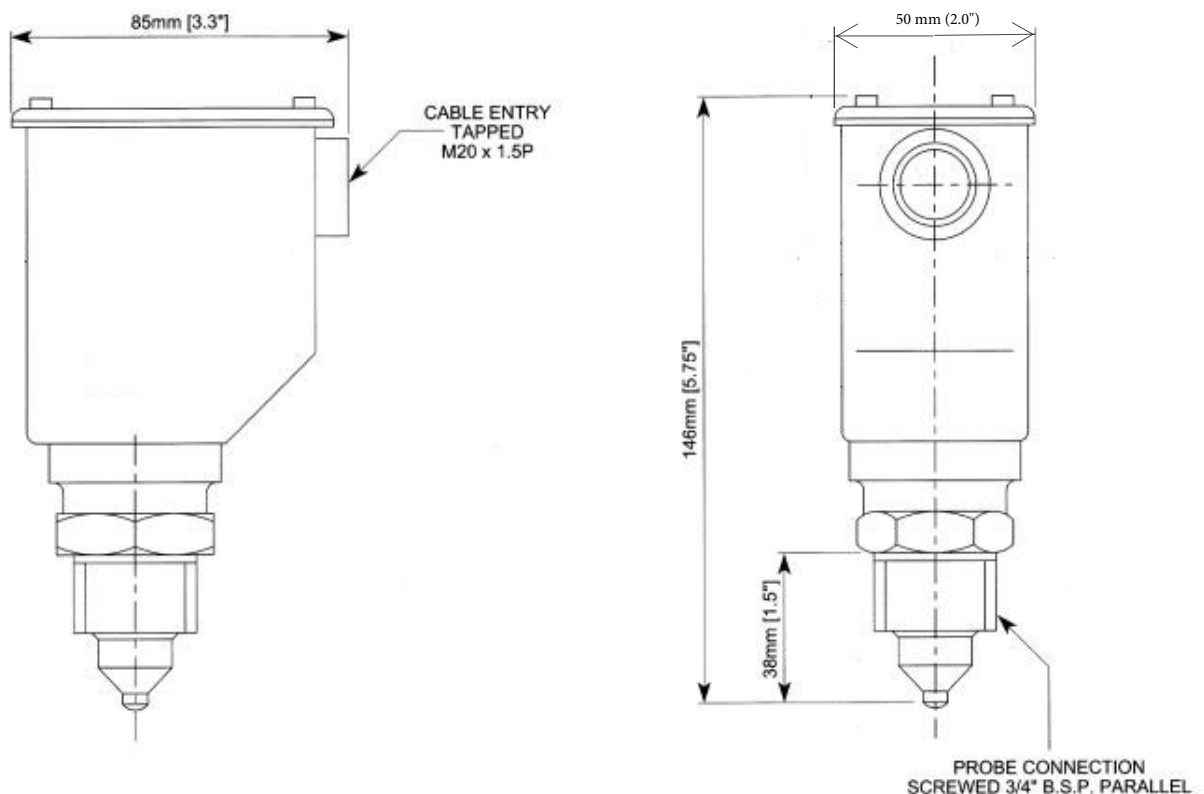
Wetted parts:

Manganese Bronze BS 2874 CZ114
Stainless Steel 316
Phosphor Bronze PB1 BS 2870

Switch housings:

Aluminium Bronze BS EN 1982 AB2
Gunmetal (I.S. Unit) BS EN 1982 LG2

DIMENSIONAL DRAWINGS



THIS DRAWING IS REPRESENTATIVE OF THE RANGE OF SWITCHES AVAILABLE. PLEASE CONSULT THE FACTORY FOR A DETAILED DRAWING/SPECIFICATION SHEET.