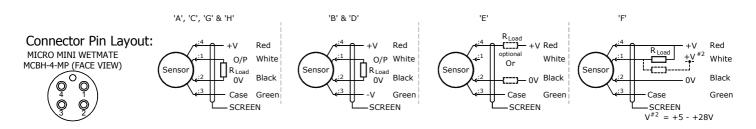


Installation Information

TIPS[®] S623 LARGE ANGLE SUBMERSIBLE TILT SENSOR

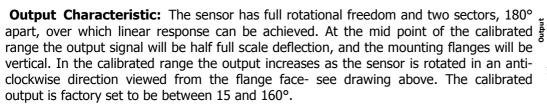
Output Option	Output Description:	Supply Voltage: V _s (tolerance)	Load resistance: (include leads for 4 to 20mA O/Ps)
Α	0.5 - 4.5V (ratiometric with supply)	+5V (4.5 - 5.5V)	≥ 5kΩ
В	±5V	±15V nom. (±9 - 28V)	≥ 5kΩ
С	0.5 - 9.5V	+24V nom. (13 - 28V)	≥ 5kΩ
D	±10V	±15V nom. (±13.5 - 28V)	≥ 5kΩ
E	4 - 20mA 2 wire Current Loop	+24V nom. (18 - 28V)	$\approx 0 \ \ 300 \Omega \ \text{max.} \ \text{(} 24 V \sim 1.2 \ \text{to} \ \text{6V} \ \text{across} \ \text{300} \Omega \{R_L \ \text{max.} \ = \ (V_s \ \ 18) \ / \ 20^{3}\}$
F	4 - 20mA 3 wire Sink	+24V nom. (13 - 28V)	$\approx 0 - 950 \Omega \text{ max.} \ (0.24 \text{ V} \sim 3.8 \text{ to } 19 \text{ V} \text{ across } 950 \Omega \{\text{R}_L \text{ max.} = (\text{V}_s - 5) \ / \ 20^{\cdot3}\}$
G	0.5 - 4.5V	+24V nom. (9 - 28V)	≥ 5kΩ
н	4 - 20mA 3 wire Source	+24V nom. (13 - 28V)	\approx 0 - 300 Ω max. \sim 1.2 to 6V across 300 Ω



Mechanical Mounting: Flange mounted, flange Holes are 5.5mm diameter on a 54mm pitch. The mid point of the calibrated range is set with the flange holes in the vertical plane, mechanical mid point adjustment is achieved by loosening two M4 grub screws in the edge of the flange and rotating the sensor body.

Note: the sensor should be mounted on a vertical face.

It is suitable for submersion to 350 Bar water pressure.



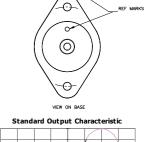
Warning -

Cable must be terminated in a manor appropriate to the use so as to prevent water ingress into the cable.

Incorrect Connection Protection levels:-

- A **Not protected** the sensor is **not** protected against either reverse polarity or over-voltage. The risk of damage should be minimal where the supply current is limited to less than 50mA.
- B & D Supply leads diode protected. Output must not be taken outside \pm 12V.
- C & G Supply leads diode protected. Output must not be taken outside 0 to 12V.
- E, F & H Protected against any misconnection within the rated voltage.





MID TRAVEL, ±5', WITH REFERENCE MARKS IN BASE IN VERTICAL POSITION.

INCREASING O/P

