

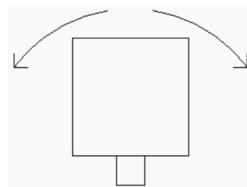
TILT SWITCH

PART No. TSW



GENERAL OPERATION

The tilt switch operates by measuring the earth's gravitational field with a three axis accelerometer. The output is on when at 0° and off when angle is greater than ± 45° in a single axis.



GENERAL INFORMATION

ENCLOSURE

Diecast Aluminum

Length (including flange) = 82mm

Width = 57mm

Height = 38mm

ELECTRICAL

Module Operating Voltage

9 - 36 VDC

Switching Angle

± 45°

Relay Output (wire 5)

5 Amps maximum.

CONNECTIONS

Wire - Red

+24V - Input

Wire - Black

Ground

Wire - Brown

Switch Output (Normally Closed)

MOUNTING

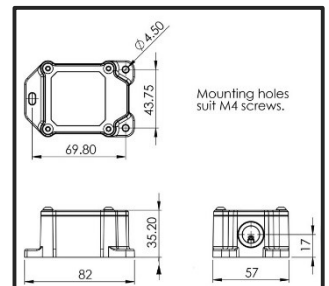
4 x mounting holes – suit M4 screws.

The switch is pre-set to mount in a Vertical position (with wires at the bottom).

If you intend to mount it Horizontally, then please do the following calibration:

Before calibrating, the switch must be mounted with in 5 degrees of the orientation in which it is to work.

If the switch is to be operated on a normally inclined surface at greater than 5 degrees, then calibrate the switch before mounting.



With power off – press & hold down the calibration button whilst turning the power back on.

Release the button when the led stops flashing and the light is solid green. The calibration is complete.

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