



## Features

- 4 Digit LED Display. High contrast with wide viewing angle, and adjustable brightness
- Dual axis simultaneous display
- Programmable alarm function with 2 individually programmable relay outputs
- Compatible with many of our inclinometer sensors
- Display resolution adjustable with 0, 1, 2 or 3 decimal places)
- USB interface with free Windows based application for monitoring angle and configuration
- Sturdy low profile aluminium Housing
- Designed for panel mounting. IP65 sealed from front side when mounted with gasket and clamps supplied.
- Operating temperature -40 to +85°C
- CE and FCC certified and RoHS compliant

## Description

The PDTS display is a high quality low cost display unit for displaying angle in both X and Y axis (pitch and roll) to the operator. It can interface with many of our inclinometer sensors depending on the requirements for the application. The high contrast LED display is viewable in low light and direct sunlight, and the LED brightness is adjustable. It is designed to be panel mounted and is supplied with a sealing gasket and hardware for mounting on plates between 1mm and 10mm thick. As well as displaying angle it also has a built in tilt switch functionality. The two on board relays can be configured to operate when a certain angle is exceeded in the X or Y axis (or both), in either the positive or negative direction (or both). It is highly configurable with adjustable threshold, hysteresis and delay. There is a USB interface to allow the angle to be monitored or logged on a PC. The devices can be factory configured for OEM applications, or user configured using the simple Windows based configuration application supplied free of charge with this product. When connected the USB interface will supply power to the display and sensor. DC Power is supplied to the display, which in turn will provide power to the sensor, simplifying the wiring requirements. Connection is via spring release terminal block for simple and secure wiring.

## Specifications

General	
Voltage Supply	12-30Vdc
Power Draw	4W (max)
Size	72 x 72 x 23 mm
Weight	350 g
Connections	Quick release 0.1" pitch terminal
Sensor Interface	
Type	RS232 Full Duplex
Speed	38400bps (adjustable)
Parity	None
Stop Bits 1	
Protocol	Simplified Protocol Level Developments
Supply to Sensor	14Vdc 50mA (max)
Relay Outputs (Tilt Switch Function)	
Number of Relays	2
Output type	Double Pole Single Throw
Switching Voltage	220Vdc (max) 250Vac (max)
Switching Current	2A Max
Switching Power	60W (max)
USB Interface	
Connector Type	Micro USB