

TYRE PRESSURE DASH DISPLAY



The TP display unit is a combined receiver/display unit for use with MESL tyre pressure sensors. The sensors transmit pressure, temperature, battery voltage, serial number and life count data over an RF link to an antenna on the car. Signals from the antenna are passed to the TP display unit where they are decoded and displayed on the LCD screen. The TP display is aimed at racing car applications in which data logging and pit telemetry are not used. The unit is intended to be mounted on the dash and enables the driver to monitor the tyre pressures from the cockpit.

Features

- 4 line, 16 character LCD
- Optical sensor to control backlight of LCD
- Pressure status warning LED's
- Configurable display
- CAN interface
- Unit available with either analogue outputs or external switch and audible warning control lines

Electrical

- Supply voltage 8 to 16Vdc
- Supply current 150mA max @12V typical, 170mA @12V max
- CAN bus 2.0B active, 1Mbps

Mechanical

- Weight less than 0.5lb (without antenna)
- Aluminium alloy housing, anodised and dyed black

Environmental

- Unit sealed with o-rings and screws sealed with silicon rubber
- Maximum humidity 100%
- Operating temperature 10 to +50°C
- Vibration 5 to 2000Hz @ 5g, 2 hours

Connection Definition

- Connector ASDD206-09PN-HE (Audible warning variant)

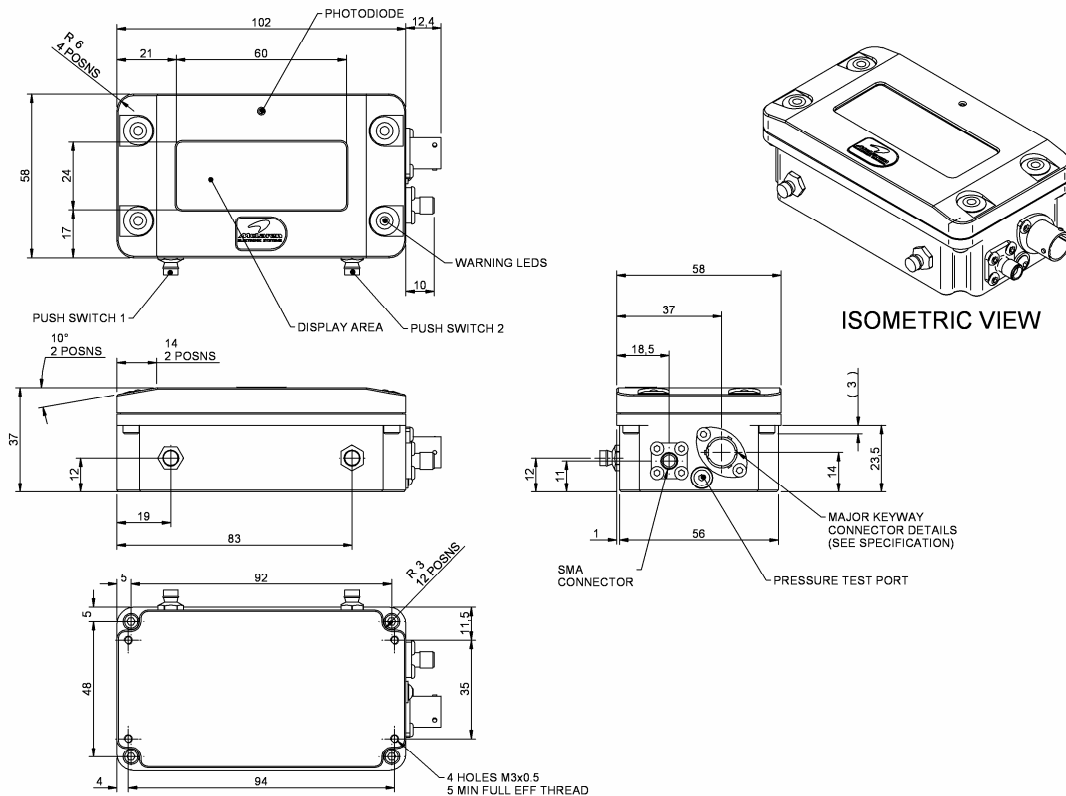
Pin 1	Supply +ve
Pin 2	Power ground
Pin 3	CAN -
Pin 4	CAN +
Pin 5	Audible control line
Pin 6	External switch
Pin 7	Ground
Pin 8	N/C
Pin 9	N/C
- Connector ASDD206-09PN-HE (Analogue variant)

Pin 1	Supply +ve
Pin 2	Power ground
Pin 3	CAN -
Pin 4	CAN +
Pin 5	Signal ground
Pin 6	Analogue signal 1
Pin 7	Analogue signal 2
Pin 8	Analogue signal 3
Pin 9	Analogue signal 4
- Antenna connector SMA socket

Case	RF ground
Centre	RF in

13/09/06

TYRE PRESSURE DASH DISPLAY



Description

Tyre Pressure Receiver Dash/Display
Tyre Pressure Receiver Dash/Display Analogue variant

Order Code

O 030 330 046 020
O 030 330 046 028

13/09/06