

# LIQUID LEVEL SENSOR

## TS Series – Thermistor Sensor

### TS8-51

#### Design Features

- Easy installation
- Solid state
- Operating temperature up to 100°C
- Operation independent of mounting attitude
- Will sense a variety of mediums including air



#### Product Comments

- PTC Thermistor
- Universal mounting kit for internal or external fitting
- No moving parts
- High or low level sensing
- Interface option available

#### Typical Applications

- Coolant level indication
- Boiler heating element protection
- Waste Water Level
- Deionised Water Level
- Water high or low Level

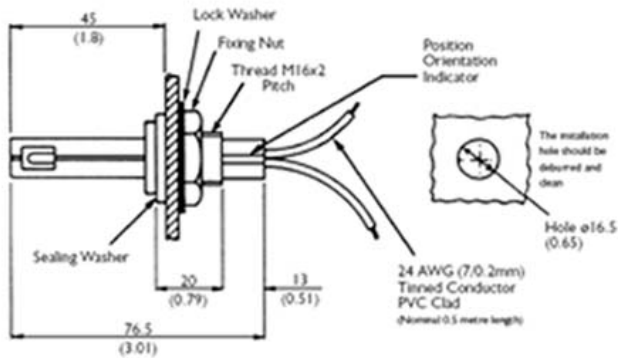
#### Material, Design and Operation

Mounting:	Side Entry
Material:	Polypropylene
Fitting:	Universal (internal and external)
Contact Form:	Form A - SPST
Housing Temperature Range °C:	100
Housing Material:	Glass Filled Polypropylene
Housing Colour:	Charcoal
Connection Type:	Stripped Cables
Cable Type:	2 x 24AWG, 7/0.2mm PVC Insulated 0.5M long
Cable Colour:	Black/Black
Operating Temperature °C:	100
Medium/Liquid:	Fuels & Oils , Alcohols
Resistance at 20 °C:	65.0 Ohms
Power Input:	12VDC
Operating Pressure:	4 Bar maximum
Sealing Components:	Silicone
Working Voltage:	9.0 - 12.0VDC

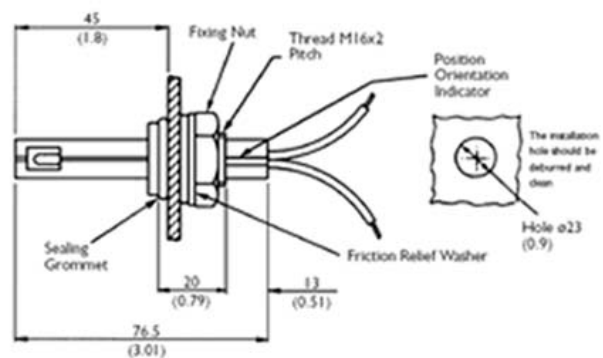
## Line Drawing

### TS8-51N

#### TS Internal Fitting



#### TS External Fitting



#### Application Characteristics

Fig. 1 shows a typical current versus voltage curve relevant to the use of the TS level sensing probe. It can be seen that it is possible to plot a family of curves to cover a range of mediums at varying temperatures.

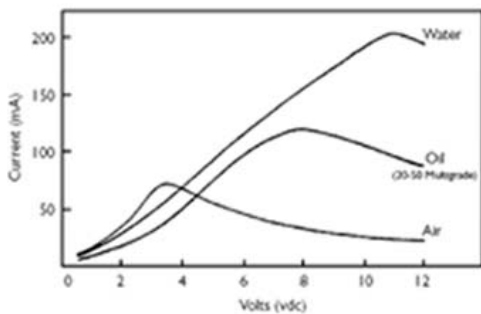


Fig. 2 shows a voltage versus temperature curve for similar mediums to those in Fig. 1 based on the test circuit shown.

