

# LIQUID LEVEL SENSORS

## RS Series – Right Angle Liquid Level Sensor

### RS801-51

#### Design Features

- High or low level sensing
- Internal & External fit
- Reed Switch reliability
- Silicone sealing components
- Easy installation

#### Product Comments

- UL listed model, File E98428
- Normally open or normally closed by float reversal
- Suitable for a wide range of liquids
- Side entry with Vertical Stem/Float travel
- Polypropylene Materials

#### Typical Applications

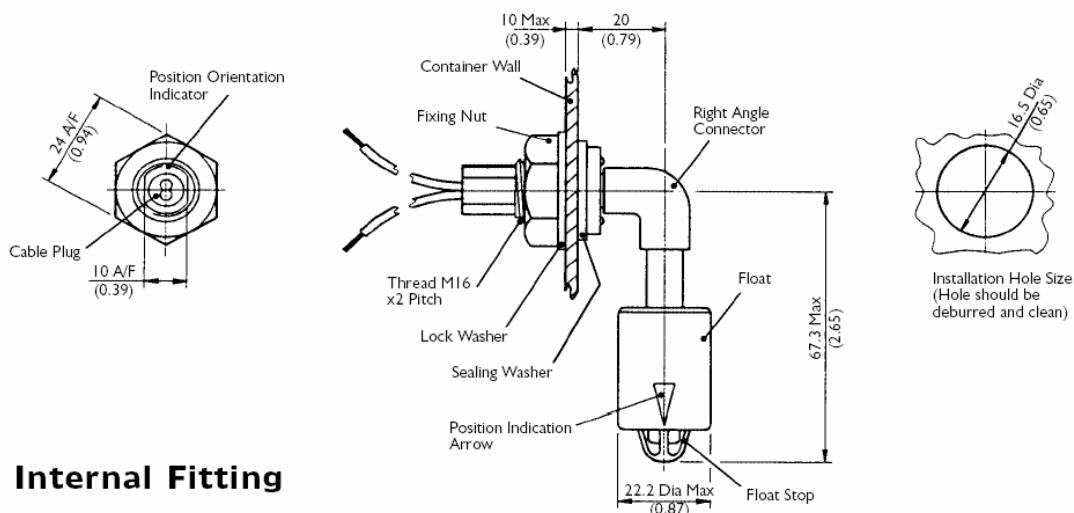
- Waste Water Level
- Coolant level indication
- Drinking water level
- Cooling systems
- Water high or low Level



#### Material, Design and Operation

Mounting:	Side Entry
Material:	Polypropylene
Fitting	Internal & External Fitting
Contact Form:	Form A – SPST
Contact Material:	Ruthenium
Maximum Switching Volts:	100 VAC
Maximum Switching Current:	1.0
Maximum Power:	15 Watts
Housing Temperature Range °C:	80
Housing Material:	Glass Filled Polypropylene
Housing Colour:	Charcoal
Float Material:	Glass Filled Polypropylene
Connection Type:	Stripped Cables
Cable Type:	2 x 18AWG 32/0.2mm PVC insulated 0.5m long to UL/CSA/BS6361
Cable Colour:	Black/Black
Minimum Specific Gravity:	0.85
Operating Temperature Range °C:	80
Operating Pressure BAR:	4
Sealing Components:	Silicone
Mounting Shock:	50g for 11ms duration
Mounting Vibration:	35g up to 500Hz
Operate Mode:	N/C with float down

## Line Drawing



### Internal Fitting

#### INTERNAL FITTING

CONTAINER WALL  
(THICKNESS MAX 10mm, MIN 1mm)

NOTE! DRILL 0.65" OR 16.5mm HOLE,  
ENSURE FREE FROM SWarf AND  
SHARP EDGES.

LOCK WASHER

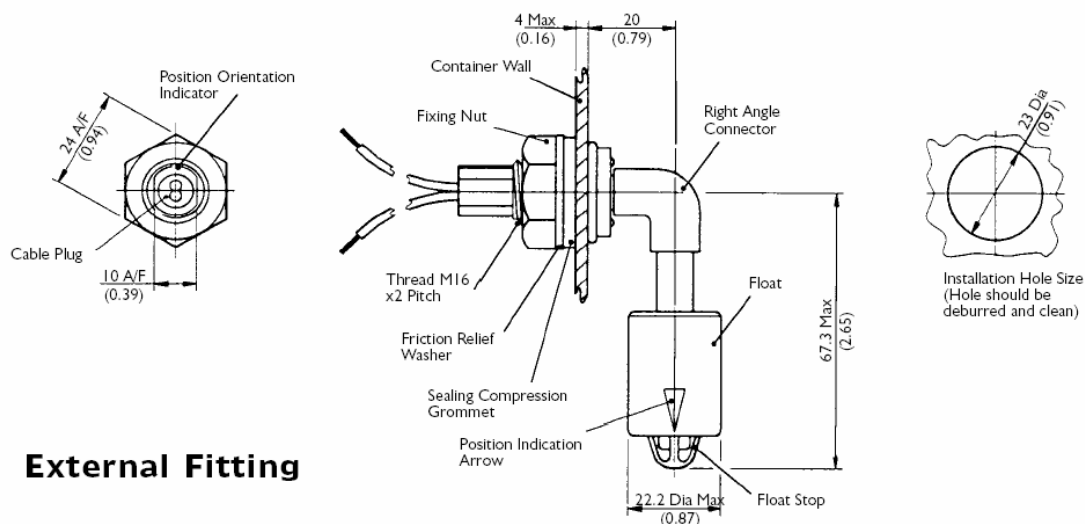
FIXING NUT

NOTE! MAX TORQUE 3lbs/ft  
OR 4Nm.

M16 SENSOR FITTING

SEALING GASKET

ASSEMBLED VIEW



### External Fitting

#### EXTERNAL FITTING

CONTAINER WALL  
(THICKNESS MAX 4mm, MIN 1mm)

NOTE! DRILL 0.9" OR 23mm HOLE,  
ENSURE FREE FROM SWarf AND  
SHARP EDGES.

SEALING GROMMET

FRICTION RELIEF  
WASHER

FIXING NUT

NOTE! MAX TORQUE 2lbs/ft  
OR 2.67Nm.

M16 SENSOR FITTING

ASSEMBLED VIEW