



DETAIL A  
SCALE 2 : 1

| WIRE  | DESIGNATION   | SPEC             |
|---|---------------|------------------|
| RED   | V+ POWER      | 6 - 30VDC        |
| BLACK                                       | GROUND        | 0VDC             |
| YELLOW                                      | SIGNAL        | 0 - 5V ANALOG    |
| *WHITE                                      | COMMS         | Tx               |
| *GREEN                                      | COMMS         | Rx               |
| **BLUE                                      | CAN Hi/SWITCH | REQUEST CAN SPEC |
| **PURPLE                                    | CAN Lo        | REQUEST CAN SPEC |
| *NOT REQUIRED FOR ON VEHICLE USE            |               |                  |
| **FITTED FOR CAN OUTPUT SPECIFICATIONS ONLY |               |                  |

SENSOR TO BE SUPPLIED TO CUSTOMER SPECIFIED LENGTHS, PLEASE CONTACT REVENTEC FOR SENSORS ABOVE 450mm  
ALL UNITS ARE CALIBRATED AT THE FACTORY IN CUSTOMER SPECIFIED FLUID TO ENSURE OPTIMUM PERFORMANCE.  
ENSURE SENSOR IS KEPT MINIMUM OF 3MM FROM THE BASE OF THE TANK.

MOUNTING IS ACHIEVED USING A STANDARD AN-8 PORT FITTING.  
FEMALE THREAD BOSS FOR WELDED TANK APPLICATIONS AVAILABLE ON REQUEST.  
M20 DOWTY WASHER RECOMMENDED FOR SEALING.  
MINIMUM TORQUE RATING - 30.5Nm, MAXIMUM TORQUE RATING - 40Nm  
APPLY THREAD LOCK AS APPROPRIATE FOR THE APPLICATION.

CABLE TO BE 500mm FROM CABLE EXIT AS STANDARD.  
CABLE TO BE 5 CORE CABLE SLEEVED IN FEP JACKET FOR ANALOG OUTPUT CONFIGURATIONS.  
CABLE TO BE 7 CORE CABLE SLEEVE D IN FEP JACKET FOR CAN OUTPUT CONFIGURATIONS.  
SEE TABLE ABOVE FOR WIRE DESIGNATIONS.

STANDARD CALIBRATION IS 0.25V EMPTY TO 4.75V FULL.  
OUTPUT CAN BE CONFIGURED USING THE REVENTEC LEVEL SENSOR GUI VIA FTDI COMMS MODULE, AVAILABLE ON REQUEST.

THE STANDARD ELECTRONICS PLATFORM IS RATED TO 125DEGC, 150DEGC ELECTRONICS AVAILABLE ON REQUEST.  
DESIGN SUITABLE FOR 2BAR DIFFERENTIAL TANK PRESSURE, INCREASED PRESSURE RATINGS AVAILABLE.  
IT IS RECOMMENDED THAT ALL SENSORS OVER 300mm ARE SUPPORTED AT THE PROBE END TO PREVENT PART FATIGUE.  
ON GOING MAINTENANCE SHOULD BE IN ACCORDANCE WITH REVENTEC LEVEL SENSOR USER GUIDE V1.5 OR LATER.  
SUPPLIED SOLELY IN ACCORDANCE WITH REVENTEC LIMITED TERMS AND CONDITIONS.

| SPECIFICATION   | EXAMPLE                             | CUSTOMER SELECTION |
|-----------------|-------------------------------------|--------------------|
| PROBE LENGTH    | 80 - 450mm                          |                    |
| LIQUID TYPE     | FUEL/OIL GRADE / OTHER              |                    |
| MAX TEMPERATURE | 125DEGC / 150DEGC                   |                    |
| SENSOR OUTPUT   | ANALOG/ CAN/ SWITCHED / COMBINATION |                    |

|   |           |                             |                                   |  |                              |                  |                 |
|---|-----------|-----------------------------|-----------------------------------|--|------------------------------|------------------|-----------------|
| UNLESS OTHERWISE SPECIFIED:<br>DIMENSIONS ARE IN MILLIMETERS<br>SURFACE FINISH:<br>TOLERANCES:<br>LINEAR: ±0.1<br>ANGULAR: ±0.1 |           | FINISH:<br><br>ANODISED RED | DEBUR AND<br>BREAK SHARP<br>EDGES | REVISION ISSUE<br>01   | DESCRIPTION<br>FIRST RELEASE | DATE<br>17.05.19 | APPROVED<br>NJM |
| DRAWN<br>JB   | SIGNATURE | DATE<br>17.05.19            | <br>THIRD ANGLE                   | TITLE:<br><b>LS800 CAPACITIVE LEVEL SENSOR</b>   |                              |                  |                 |
| CHK'D<br>JL   |           | DATE<br>17.05.19            |                                   | DWG NO.<br><b>LS800</b>  | A3                           |                  |                 |
| APPV'D<br>NM  |           | DATE<br>17.05.19            |                                   | MATERIAL:<br><b>AL 6061 T6</b>   | SCALE: 1:1                   | SHEET 1 OF 1     |                 |
| MFG   |           |                             | WEIGHT:                           |  |                              |                  |                 |
| Q.A   |           |                             |                                   | <br>© DESIGN COPYRIGHT RESERVED<br>Reventec Ltd<br>Unit 14, Swanton Business Centre<br>Salisbury<br>Wiltshire<br>SP5 3JH<br>TEL: +44(0)1753 53080<br>Email: info@reventec.com<br>Website: www.reventec.com<br>Supply subject to Reventec Ltd Terms and Conditions. |                              |                  |                 |