

### DESCRIPTION

Coto Technology's range of Vertical Liquid Level Sensors have been designed for use with many types of fluid to reliably indicate high or low levels depending on mounting position. They are manufactured with 10W or 70W (high power) contacts and are easily mounted from inside the tank. The complete range carry UL approval (pending).



### FEATURES

- Compact Size
- Fast Fitting
- NO or NC by rotating 180 degrees
- 10W or 70W contacts
- Materials to suit most fluids
- Custom Design Available
- UL Recognized under E258393
- RoHS Compliant 

### SPECIFICATIONS

| Parameters                   | Unit      | Switch 01            | Switch 02            |
|------------------------------|-----------|----------------------|----------------------|
| <b>Dimensions</b>            |           |                      |                      |
| Length                       | mm        | 35                   | 35                   |
| Width                        | mm        | -                    | -                    |
| Height                       | mm        | -                    | -                    |
| <b>Wire Length</b>           | mm        | 250                  | 250                  |
| <b>Wire Color</b>            |           | Black and Red        | Black and Red        |
| <b>Wire AWG</b>              | AWG       | 24                   | 24                   |
| <b>Specifications</b>        |           |                      |                      |
| <b>Contact Ratings</b>       |           |                      |                      |
| Switching Voltage            | VDC       | 200                  | 200/300              |
| Switching Current            | A         | 0.5                  | 1.5                  |
| Carry Current                | A         | 1.5                  | 2.5                  |
| Contact Rating               | VA        | 10                   | 70                   |
| Contact Resistance           | Max. Ohms | 0.10                 | 0.10                 |
| Contact Material             |           | Ru                   | Rh                   |
| <b>Electrical Ratings</b>    |           |                      |                      |
| Insulation Resistance        | Ohms      | 1 x 10 <sup>11</sup> | 1 x 10 <sup>12</sup> |
| Operate Time                 | ms        | 0.5                  | 0.8                  |
| Release Time                 | ms        | 0.2                  | 0.1                  |
| Contact Life                 | Ops       | 1 x 10 <sup>9</sup>  | 1 x 10 <sup>9</sup>  |
| <b>Operating Temperature</b> |           |                      |                      |
| <b>Material</b>              |           |                      |                      |
| PP                           | °C        | -30 to +85           | -30 to +85           |
| ABS                          | °C        | -30 to +125          | -30 to +125          |
| 316 Stainless                | °C        | -30 to +130          | -30 to +130          |
| PVDF                         | °C        | -30 to +147          | -30 to +147          |
| PPS                          | °C        | -30 to +150          | -30 to +150 (metric) |
|                              | °C        |                      | -40 to +150 (NPT)    |
| <b>Weight</b>                | g         | 9.7                  | 49                   |

### ORDERING INFORMATION

A complete part number is represented by the digits below

LSV-X-X-X

|                   |                  |
|-------------------|------------------|
| Series            | Thread           |
| Material          | A = NPT          |
| 1 = PP            | B = Metric       |
| 2 = ABS           | Contact Rating   |
| 3 = 316 Stainless | 01 = 10W contact |
| 4 = PVDF          | 02 = 70W contact |
| 5 = PPS           |                  |

### MECHANICAL DIMENSIONS

Dimensions in mm

