

## RSF166 SERIES

### DUAL SWITCH POINT SERIES - EXTERNAL MOUNT



The RSF166 float switch series is designed to offer a number of switching options to meet a variety of system requirements.

These are manufactured in PPS (Polyphenylene Sulphide), which are compatible with a wide range of liquids, and are mounted externally via a nitrile compression seal and a 22mm dia hole in the tank.

The single float types are generally used in systems with PLC control of processes.

The dual float versions can be used for controlling the filling or emptying of tanks via electromechanical relays.

#### Features

- External Mount via compression seal
- High & Low level switching
- PPS material
- Versions for Filling or Emptying Control
- UL recognised components File No. E171218
- WRAS Approved

### TECHNICAL SPECIFICATIONS

(Common to both Single and Double Float versions)

#### Mechanical

|                              |  |    |         |    |          |
|------------------------------|--|----|---------|----|----------|
| <b>Material</b>              | PPS  |    |         |    |          |
| <b>Colour</b>                | Grey   |    |         |    |          |
| <b>Temp. Range *</b>         | <table border="0"> <tr> <td>°C</td> <td>-10/+85</td> </tr> <tr> <td>°F</td> <td>+14/+185</td> </tr> </table> | °C | -10/+85 | °F | +14/+185 |
| °C                           | -10/+85  |    |         |    |          |
| °F                           | +14/+185   |    |         |    |          |
| <b>Minimum Liquid SG</b>     | 0.85   |    |         |    |          |
| <b>Standard Cable Length</b> | 100cm  |    |         |    |          |

\* Temperature ranges refer to wetted parts.

#### Electrical

|                                 |     |
|---------------------------------|-----|
| <b>Switching Power VA Max</b>   | 25  |
| <b>Switching Voltage AC Max</b> | 240 |
| <b>Switching Voltage DC Max</b> | 120 |
| <b>Switching Current Max A</b>  | 0.6 |

All electrical ratings are for resistive loads only.

### STANDARD PARTS

| Single Float Versions | Upper Switch level | Lower Switch level | Total Length |
|-----------------------|--------------------|--------------------|--------------|
| <b>RSF166A25B75</b>   | 30mm               | 75mm               | 102mm        |
| <b>RSF166A25B100</b>  | 30mm               | 100mm              | 127mm        |
| <b>RSF166A25B125</b>  | 30mm               | 125mm              | 152mm        |
| <b>RSF166A25B150</b>  | 30mm               | 150mm              | 177mm        |
| <b>RSF166A25B175</b>  | 30mm               | 175mm              | 202mm        |

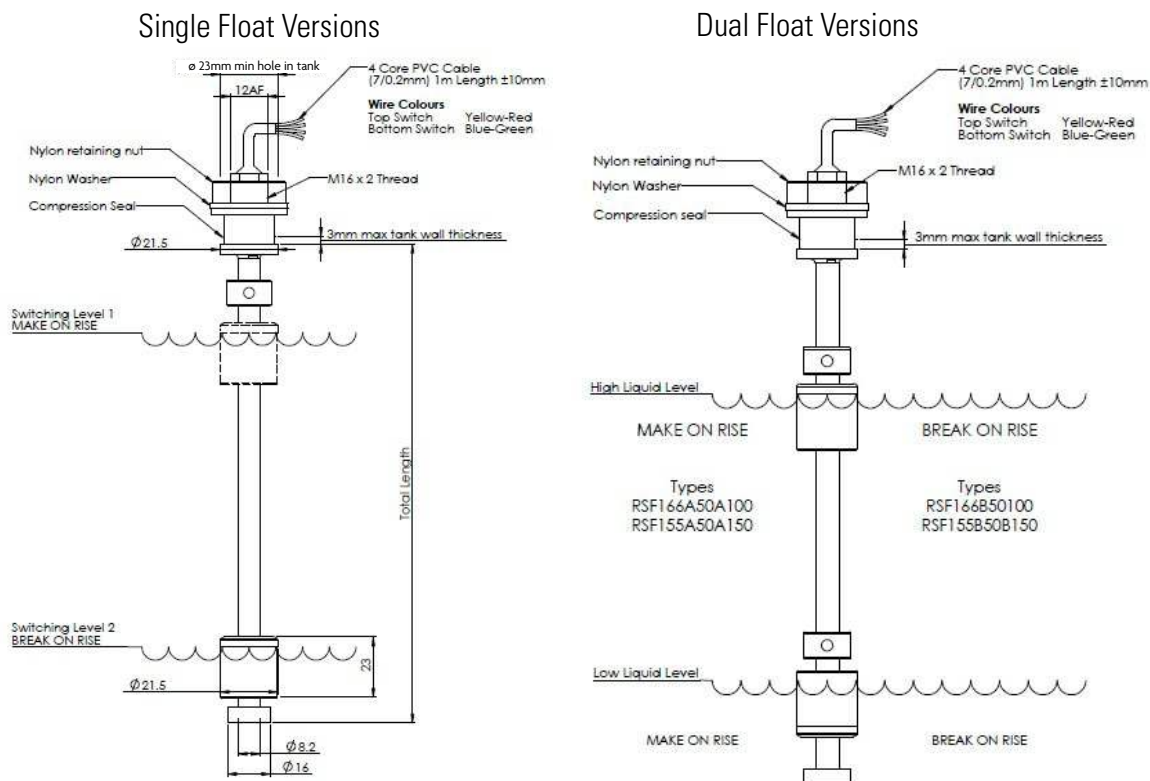
| Dual Float Versions  |                  | Upper Switch level | Lower Switch level | Total Length |
|----------------------|------------------|--------------------|--------------------|--------------|
| <b>RSF166A50A100</b> | Emptying Control | 50mm               | 100mm              | 134mm        |
| <b>RSF166A50A150</b> | Emptying Control | 50mm               | 150mm              | 184mm        |
| <b>RSF166B50B100</b> | Filling Control  | 50mm               | 100mm              | 127mm        |
| <b>RSF166B50B150</b> | Filling Control  | 50mm               | 150mm              | 177mm        |

Custom versions can be made for particular applications. Please contact Sensata with your requirements.



## DIMENSIONS

All dimensions are in millimeters.



Made in the UK

Page 2

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