

## RSF80 SERIES

### COMPACT EXTERNAL FITTING BY 1/2"NPT



The RSF80 series are designed for mounting through the wall of a tank, via 1/2"NPT thread without requiring access to the inside of the tank.

Typical applications include diesel generators, hydraulic oil and gearbox oil levels.

They are manufactured in a range of plastics to suit most commonly used liquids.

The switch can be fitted to achieve either make on rise (N/O) or make on fall (N/C) action by simply rotating through 180°.

Available with either flying leads or M12 circular connector socket. Cables are available for use with M12 connector versions.

#### Features

- 1/2"NPT external mount
- Available in Nylon, Polypropylene, PPS or PVDF
- WRAS and NSF Approved versions
- Many variants are UL recognised components File No. E171218
- Flying lead or M12 connection

## SPECIFICATIONS

### Technical

	RSF83	RSF84	RSF88	RSF86	RSF87
<b>Material</b>	Nylon	Polypropylene WRAS approved	Polypropylene UL approved	Polyphenylene Sulphide (PPS)	Polyvinylidene Fluoride (PVDF)
<b>Colour</b>	Black	Opaque	White	Grey	Green
<b>Temp. Range</b>	°C °F	-20/+75	-20/+100	-10/+120*	-10/+105
		-4/+167	-4/+212	-4/+212	+14/+248*
<b>Min. Fluid SG</b>	0.85	0.85	0.80	0.85	0.85
<b>Must Close Level (SG=1)</b>	7mm	8mm	8mm	9mm	9mm
<b>Must Open Level (SG=1)</b>	20mm	20mm	20mm	24mm	24mm

\* Maximum temperature requires ETFE cable to be specified.

## Electrical

		<b>25W (Y code)</b>	<b>100W (H code)</b>
<b>Contact Form</b>		N/O (N/C)	N/O (N/C)
<b>Switching Power Max</b>	VA	25	100
<b>Switching Voltage AC Max</b>	V	240	300
<b>Switching Voltage DC Max</b>	V	120	300
<b>Switching Current Max</b>	A	0.6	1

All ratings are for resistive load only.



## STANDARD PARTS

	<b>Material</b>	<b>Max Power</b>	<b>Leadouts</b>	<b>Approvals</b>
<b>RSF83H100R</b>	Nylon	100VA	100cm PVC 16/0.2	WRAS
<b>RSF83Y100R</b>	Nylon	25VA	100cm PVC 16/0.2	WRAS
<b>RSF84H100R</b>	Polypropylene	100VA	100cm PVC 16/0.2	WRAS & NSF
<b>RSF84Y100R</b>	Polypropylene	25VA	100cm PVC 16/0.2	WRAS & NSF
<b>RSF86H050T</b>	PPS	100VA	50cm ETFE 19/0.2	WRAS, UL & NSF
<b>RSF86H100R</b>	PPS	100VA	100cm PVC 16/0.2	WRAS, UL & NSF
<b>RSF86Y050T</b>	PPS	25VA	50cm ETFE 19/0.2	WRAS, UL & NSF
<b>RSF86Y100R</b>	PPS	25VA	100cm PVC 16/0.2	WRAS, UL & NSF
<b>RSF87H100G</b>	PVDF	100VA	100cm PTFE 7/0.2	UL & NSF
<b>RSF87Y100G</b>	PVDF	25VA	100cm PTFE 7/0.2	UL & NSF
<b>RSF88H100R</b>	Polypropylene UL	100VA	100cm PVC 16/0.2	UL
<b>RSF88Y100R</b>	Polypropylene UL	25VA	100cm PVC 16/0.2	UL
<b>RSF83HP</b>	Nylon	100VA	M12 connection	WRAS
<b>RSF83YP</b>	Nylon	25VA	M12 connection	WRAS
<b>RSF84HP</b>	Polypropylene	100VA	M12 connection	WRAS & NSF
<b>RSF84YP</b>	Polypropylene	25VA	M12 connection	WRAS & NSF
<b>RSF86HP</b>	PPS	100VA	M12 connection	WRAS, UL & NSF
<b>RSF86YP</b>	PPS	25VA	M12 connection	WRAS, UL & NSF
<b>RSF87HP</b>	PVDF	100VA	M12 connection	UL & NSF
<b>RSF87YP</b>	PVDF	25VA	M12 connection	UL & NSF
<b>RSF88HP</b>	Polypropylene UL	100VA	M12 connection	UL
<b>RSF88YP</b>	Polypropylene UL	25VA	M12 connection	UL

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