SH-7 SERIES

92MM SQUARE FLANGE MOUNT SPDT SWITCH



The SH-7 series are 92mm square flange mount float operated level switches.

This design uses a pivoted float arm with a magnet on the inboard end. This magnet when moved by the rising float arm interacts with another magnet in the switch enclosure to give a snap action operation.

Two switching options are available using either microswitches or reed switches, for different switching power and operating temperature ranges.

There are also two float sizes available of either 150x50mm or 150x41mm.

Features

- 92 x 92 mm Square Flange mount
- SS 316L float material
- SS 304 other wetted parts material
- Available in direct switching version for use at up to 100ºC or low power switching at up to 200ºC
- Aluminium enclosure with screw on lid and cable gland

SPECIFICATIONS

Technical

Mounting Style	External via flange
Float Material	316L grade SS
Maximum Temperature	100ºC / 200ºC
Maximum Pressure	25 bar or 20 bar
Float SG	0.55 or 0.65
Minimum Fluid SG	0.60 or 0.70
Mounting Size	92 x 92 mm square
Other Wetted Parts	SS 304
Cable Entry	½"BSP
Enclosure Rating	IP65
Sealing Gasket	Nitrile

Electrical

		SH-7051/SH-7052	SH-7051RH/SH-7052RH
Contact Form		SPDT	SPDT
Switching Voltage AC Max	V	250	400
Switching Voltage DC Max	V	120	400
Switching Current Max	A	5	1

All electrical ratings are for resistive loads only. RH version should be limited to maximum power 60VA.

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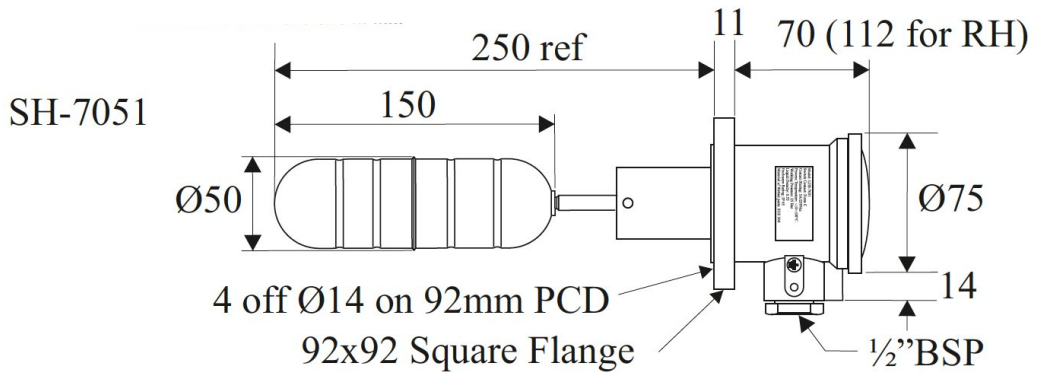
STANDARD PARTS

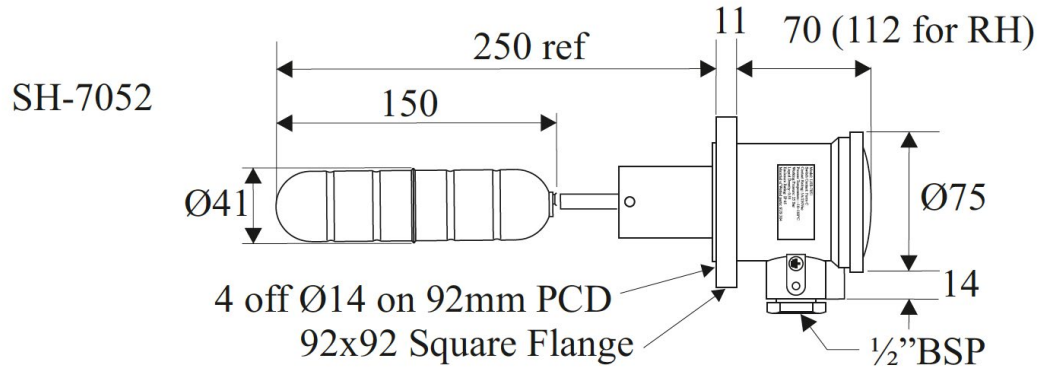
	Material	Max Current	Temperature Range	Min SG	Max Pressure
SH-7051	SS 316L/304	5	0 - 100ºC	0.60	25 bar
SH-7051RH	SS 316L/304	1	0 - 200ºC	0.60	25 bar
SH-7052	SS 316L/304	5	0 - 100ºC	0.70	20 bar
SH-7052RH	SS 316L/304	1	0 - 200ºC	0.70	20 bar

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

DIMENSIONS

All dimensions are in millimeters.





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Mailing Address: Sensata Technologies, Inc., 529 Pleasant Street, Attleboro, MA 02703, USA.

CONTACT US

+44 (0)1202 897969
c3w_sales@sensata.com
Cynergy3 Components Ltd.
7 Cobham Road,
Ferndown Industrial Estate,
Wimborne, Dorset,
BH21 7PE, United Kingdom

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