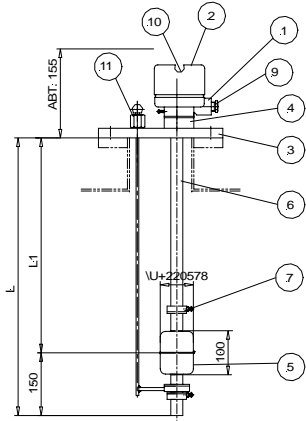


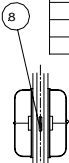
SALES DRAWING ONLY
NOT TO BE USED FOR MANUFACTURE



SPECIFICATION

1. MAX. PRESSURE : 10bar
2. MAX. TEMPERATURE : 120°C
3. MOUNTING : TOP FLANGE
4. SWITCH : REED SWITCH TYPE
5. VOLTAGE : 250V, 0.5A
6. ENCLOSURE : IP56
7. APPLICATION : WATER & OIL

.11	TEST LEVER	SUS304	.1	HIGH
.10	NAME PLATE	SUS304	.1	
.9	CABLE GLAND	BC	.1	
.8	REED SWITCH		.1	
.7	STOPPER	SUS304	.2	
.6	SENSOR PIPE	SUS304	.1	ø21.7
.5	FLOAT	SUS304	.1	
.4	SOCKET	SUS304	.1	
.3	FLANGE	SUS304	.1	DIN100
.2	COVER	ALC	.1	
.1	BODY	ALC	.1	

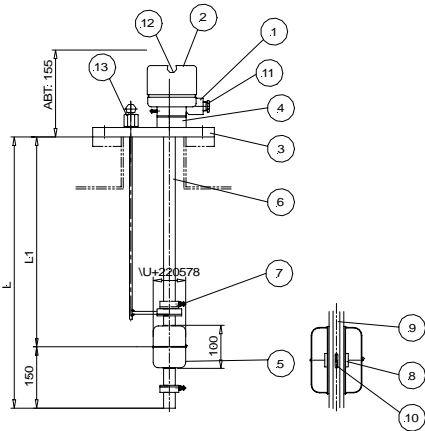


PSM Instrumentation Ltd
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 http://www.psm-sensors.co.uk

SCALE: NTS
 UNLESS OTHERWISE STATED DIMENSIONS ARE IN MILLIMETRES / INCHES

TITLE: Float Switch KD30 1A-W-T
 DRAWING NO: S-001289-SW-GA
 SHEET 1 OF 1
 A4

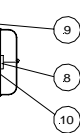
SALES DRAWING ONLY
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SPECIFICATION

1. MAX. PRESSURE : 10bar
2. MAX. TEMPERATURE : 120°C
3. MOUNTING : TOP FLANGE
4. SWITCH : REED SWITCH TYPE
5. VOLTAGE : 250V, 0.5A
6. ENCLOSURE : IP56
7. APPLICATION : WATER & OIL

.13	TEST LEVER	SUS304	.1	LOW
.12	NAME PLATE	SUS304	.1	
.11	CABLE GLAND	BC	.1	
.10	REED SWITCH		.1	
.9	PLATE	PCB	.1	
.8	MAGNET	FERRITE	.2	
.7	STOPPER	SUS304	.2	
.6	SENSOR PIPE	SUS304	.1	ø21.7
.5	FLOAT	SUS304	.1	
.4	SOCKET	SUS304	.1	
.3	FLANGE	SUS304	.1	DIN100
.2	COVER	ALC	.1	
.1	BODY	ALC	.1	



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TITLE: Float Switch KD30 1A-W-T
 DRAWING NO: S-001290-SW-GA
 SHEET 1 OF 1
 A4



PSM INSTRUMENTATION LTD

KD30

Float level switch

User Manual

Issue A date: 28/04/08

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 Http://www.psmmarine.com E-mail: sales@psmmarine.com

Specification

Mounting method as confirmed by shipyard (top or side)
 Mounting size: As confirmed by shipyard (JIS or DIN, others)
 Materials: Body as per order
 Float SUS 304, SUS 316L
 Flange SS41, SUS304, SUS 316L
 Sensor Pipe SUS 304, SUS 316L

Operating Principle

Level switches of the KD30 series have reed switches mounted within a sealed tube inserted via the top of the storage tank.
 One or more float assemblies are arranged on the sealed tube and contain a magnet which operates the reed switch in the event that the liquid level rises (high alarm) or falls (low alarm) past the level of the reed switch

Testing

Ensure the system is connected to the correct power source
 Check the float level switch operates (contacts close) by lifting the test lever (high level) or by pushing down the lever (low level)
 When the sensors have been tested ensure the test levers are set back to their normal positions

Fault finding if installed

Is the liquid already at alarm level?
 Is the power connected and working?
 Check operation with the test lever

Installation

Check instrument for any duty tags to confirm the switch is being installed at the correct location and as intended for either high (make on rise) or low (make on fall)
 Ensure the switch test levers are set in their normal operational position
 When installing the float level switch in the tank take care not to damage the floats or sensor pipe.

