



INSTRUCTIONS

Complete Process Conditions (Table 1). Select float design, stem material and watt rating (Table 2). Select mounting configuration (Table 3). Provide required dimensions and switch operation (Table 4, reverse). Mail or fax with purchase order to Madison Company. All measurements in parentheses are in millimeters.

Company: _____ **Name:** _____

Address: _____

Phone: _____ **Email:** _____

Fluid Type: _____ **Est. Annual Sensor Purchase QTY:** _____

Notes or Custom requests

Table 1: Process Conditions

Max. Temp _____	Min. Temp _____
Max. Pressure _____	Specific Gravity _____
Fluid _____	
Special Conditions _____	
Quantity _____	Wire Length (24" (610mm) standard) _____

Temperature Sensor Option

Thermocouple	Type J	Type K	Type T
Thin-Film RTD	100 OHM	1000 OHM	
Bimetal	Creep action	Snap action	Thermistor

Temperature Range _____

Other Considerations _____

Controller Needed? _____

Table 2

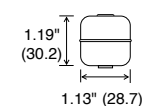
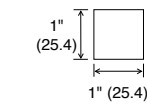
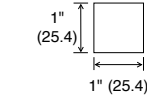
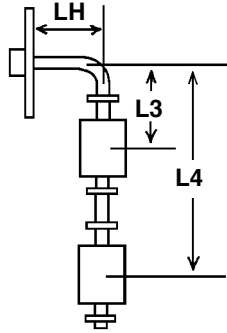
Float Design	Available Stem Materials	Model No.
Full-Size Floats		
SPST 60 WATTS SPST 100 WATTS	SPDT 25 WATTS <small>*Rated for hazardous locations</small>	
Stainless Steel 	Stainless Steel Brass	M5002 M5042
Polypropylene 	Polypropylene Stainless Steel Brass	M8080 M8002 M8042
Buna-N 	Stainless Steel Brass	M4402 M4502

Table 3: Mounting Configurations

Male Thread	Male Pipe Plug	Flange
1/8" NPT	2"	Specify size
1/4" NPT	1-1/2"	Bulkhead
3/8" NPT	1-1/4"	
1/2" NPT		Bulkhead
3/4" NPT		

Table 4: Length & Operating Point

Additional levels are available. Please consult factory. Note: 3 level maximum on M8080



LH Value _____
(switches with bent stems)

Please specify lengths and switch operation in chart below, always starting with the bottom switch (L4).

Lengths Required	Switch Oper. NO/NC	SPDT	Slosh Shield
L1 _____	_____		
L2 _____	_____		
L3 _____	_____		
L4 _____	_____		
L (Total) = _____			

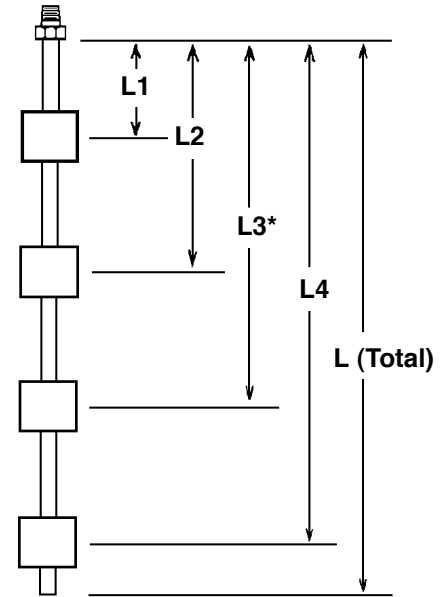


Table 5: Switch Set-up Criteria

For M5002, M5042, M8080, M8002, M8042, M4402, M4502

L (Total) = L4 + 1" (25.4mm) Min.
Distance from mounting fitting to first switch = 3/4" (19.05mm) Min.
Minimum distance between floats: 1-1/2" (38.1mm) / 1-3/4" (44.5mm) for M8080
Minimum LH = 1-1/2" (38.1mm) / N/A for M8080

State your current _____ and voltage _____ requirements.

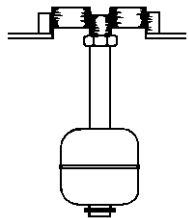
Typical Current & Voltage Ratings

Watts	Voltage	Current Amps
30	240 AC	0.14
	120 AC	0.28
	120 DC	0.07
	24 DC	0.28

Model	Max. Temp.	Max. PSIG
M5002*	200° C	300
M5042	200° C	300
M4502	105° C	150
M4402	105° C	<u>150</u>
M8002*	105° C	<u>100</u>
M8042	105° C	<u>100</u>
M8080	105° C	<u>25</u>

* NSF approved for use in food equipment.

Installation



NC Operation:

SS Floats: Witness mark (round circle) down.
Plastic Floats: Magnets up.

NO Operation:

SS Floats: Witness mark (round circle) up.
Plastic Floats: Magnets down.

SUBMIT



Madison Company | Sensing Solutions since 1959

27 Business Park Drive
Branford, CT 06405 USA

Toll-Free: 800.466.5383
Outside the USA: +1.203.488.4477



www.madisonsensors.com