



M Series Specification Sheet

Full-Size Multi-Point Liquid Level Switches

Madison Company can engineer multi-point liquid level switches to meet your application needs. Please provide the information requested on the next page so that our Engineering Department can determine the appropriate switch design for your application.

INSTRUCTIONS

- Fill out contact information on this page. Continue on to next page.
- 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).
- Submit form data via email by clicking the submit button at the top left of the page.

All measurements in parentheses are in millimeters.

Customer: _____ Contact Name: _____

Address: _____

Phone No.: _____ Fax No.: _____ E-mail: _____

NOTES:



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Full-Size Multi-Point Liquid Level Switches

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 switching operation (Table 4). Mail or fax with purchase order to Madison Company.

All measurements in parentheses are in millimeters.

TABLE 1 PROCESS CONDITIONS

MAX. TEMP. _____ MIN. TEMP. _____
 MAX. PRESSURE _____ SPECIFIC GRAVITY _____
 FLUID _____
 SPECIAL COND. _____
 QUANTITY _____ WIRE LENGTH _____
 24" (609.6mm) 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 3 MOUNTING CONFIGURATIONS

MALE THREAD 1/8" NPT 1/4" NPT 3/8" NPT 1/2" NPT 3/4" NPT

MALE PIPE PLUG 2" 1-1/2" 1-1/4"

FLANGE SPECIFY SIZE: _____
 BULKHEAD FITTING BULKHEAD

TABLE 4 LENGTH & OPERATING POINT

Additional levels are available. Please consult factory.

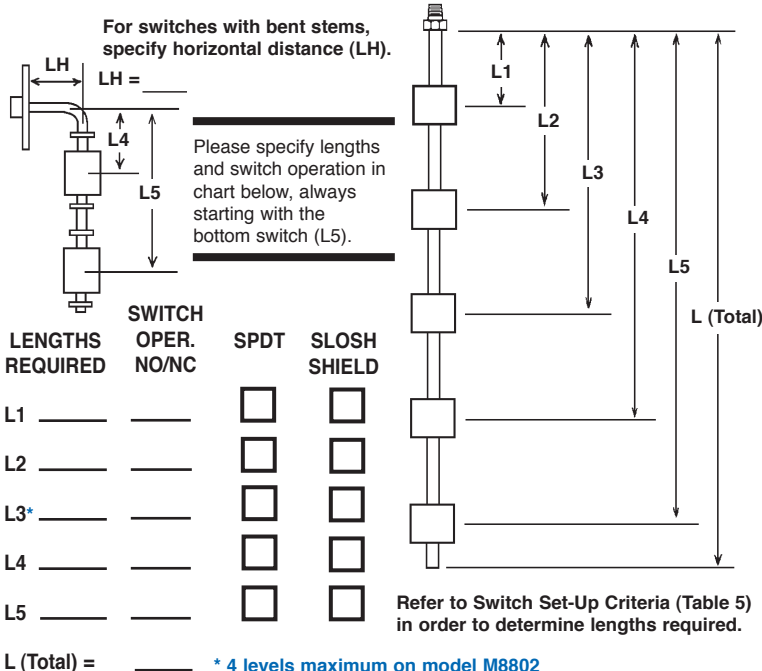


TABLE 2

FLOAT DESIGN	AVAILABLE STEM MATERIALS	MODEL NO.
Full-Size Floats		
SPST 60 WATTS SPST 100 WATTS	SPDT 25 WATTS <i>*Rated for hazardous locations.</i>	
 2" (50.8) 2.13" (53.9) STAINLESS STEEL	<input type="checkbox"/> STAINLESS STEEL <input type="checkbox"/> BRASS	*M5602 M5402
 2" (50.8) 1.5" (38.1) POLYPROPYLENE	<input type="checkbox"/> POLYPROPYLENE <input type="checkbox"/> STAINLESS STEEL <input type="checkbox"/> BRASS	M8802 M8602 M8402
 2" (50.8) 1.25" (31.75) BUNA-N	<input type="checkbox"/> STAINLESS STEEL <input type="checkbox"/> BRASS	M4602 M4302

TABLE 5 SWITCH SET-UP CRITERIA

For M5602, M5402, M8602, M8402, M4602, M4302
 L (Total) = L5 + 1-1/2" (38.1mm) Min.
 Distance from mounting fitting to first switch = 1-1/4" (31.7mm) Min.
 Minimum distance between floats: 2-1/2" (63.5mm)
 Minimum LH = 2-1/2" (63.5mm)

For M8802, M6602
 L (Total) = L5 + 2" (50.8mm) Min.
 Distance from mounting fitting to first switch = 1-3/4" (44.4mm) Min.
 Minimum distance between floats: 3" (76.2mm)

State your current _____ and voltage _____ requirements.

Typical Current & Voltage Ratings			Model	Max. Temp.	Max. PSIG
100	240 AC	0.4	M5602*	200°C	200
	120 AC	1.0	M5402	200°C	200
	120 DC	0.4	M4302	105°C	150
	24 DC	1.0	M4602	105°C	150
60	240 AC	0.4	M6602	90°C	100
	120 AC	0.5	M8802*	105°C	100
	120 DC	0.2	M8602	105°C	100
	24 DC	0.5	M8402	105°C	100
25	240 AC	-			
	120 AC	0.28			
	120 DC	-			
	24 DC	0.28			

* 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.