



M Series Specification Sheet

Miniature 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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Miniature 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 switch 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.

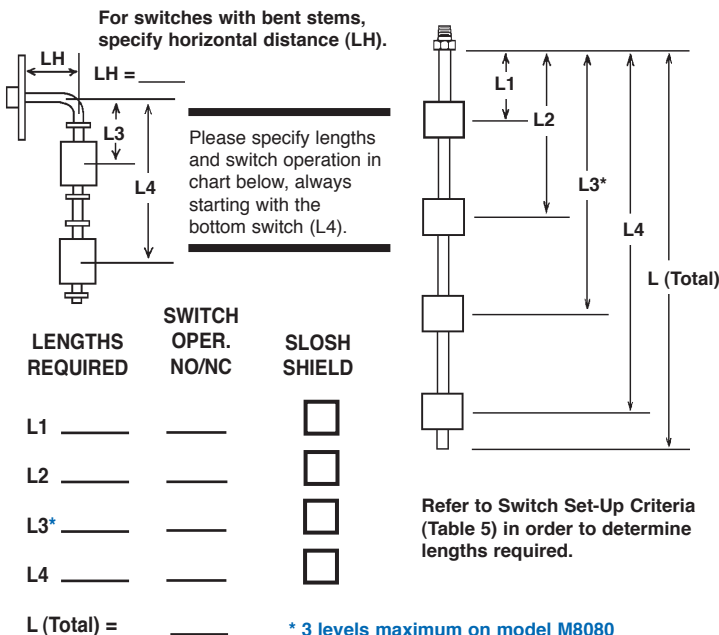


TABLE 2

FLOAT DESIGN	AVAILABLE STEM MATERIALS	MODEL NO.
Miniature-Size Floats SPST 30 WATTS		
 1.19" (30.2) 1.13" (28.7) STAINLESS STEEL	<input type="checkbox"/> STAINLESS STEEL <input type="checkbox"/> BRASS	M5002 M5042
 1" (25.4) POLYPROPYLENE	<input type="checkbox"/> POLYPROPYLENE <input type="checkbox"/> STAINLESS STEEL <input type="checkbox"/> BRASS	M8080 M8002 M8042
 1" (25.4) BUNA-N	<input type="checkbox"/> STAINLESS STEEL <input type="checkbox"/> BRASS	M4402 M4502

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) / NA for M8080

State your current _____ and voltage _____ requirements.

Typical Current & Voltage Ratings			Model	Max. Temp.	Max. PSIG
30	240 AC	0.14	M5002*	200°C	300
	120 AC	0.28	M5042	200°C	300
	120 DC	0.07	M4502	105°C	150
	24 DC	0.28	M4402	105°C	150
			M8002*	105°C	100
			M8042	105°C	100
			M8080*	105°C	25

Above ratings are for resistive loads only. For inductive loads, maximum life will be achieved if appropriate arc suppression is used.

* 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.

