

# McMillan

## C.O.M.P.A.N.Y

MANUFACTURERS OF AFFORDABLE

FLOW SENSORS, METERS & CONTROLLERS

To return a product for repair to McMillan Company, please call first and request a RMA (Return Manufacturer Authorization) Number. No returns will be accepted without the RMA number clearly visible on the outside of the box. Call McMillan Company to request an RMA.

Include details: model number, serial numbers and reason for return

- call (512)-863-0231 or FAX the request to : (512)-863-0671
- Attention : CUSTOMER SERVICE DEPARTMENT

Once the product is received by Customer Service, the repairs will be analyzed and a fee for repair will be determined (if any). The customer will be informed and must authorize work to be done, if charges to the customer are involved.

**Warranty :** If at any time within one year after shipment, but not thereafter, it is proved that any part of the equipment furnished by us was defective when shipped by us, we will replace or repair the same free of charge, F.O.B. our factory. Notice of this claim must be made to us within one year after delivery. Our liability is limited to replacement of such defective parts or equipment. There are no guarantees or warranty expressed or implied other than those herein specifically mentioned. McMillan Company shall herein not in any event be liable for any consequential damages, secondary charges, expenses for erection or disconnecting, or losses resulting from any alleged defect in the apparatus. It is understood that corrosion or erosion of materials, or abuse of product is not covered by our guarantee.

P.O. Box 1340  
7075 RR 2338  
Georgetown, Texas 78628 U.S.A.  
PHONE: (512) 863-0231 FAX: (512) 863-0671  
E-mail: tech@mcmillancompany.com

## INSTRUCTION MANUAL

**MODEL SPR-xxx Series**  
**Set Point Relay Switch Controllers**

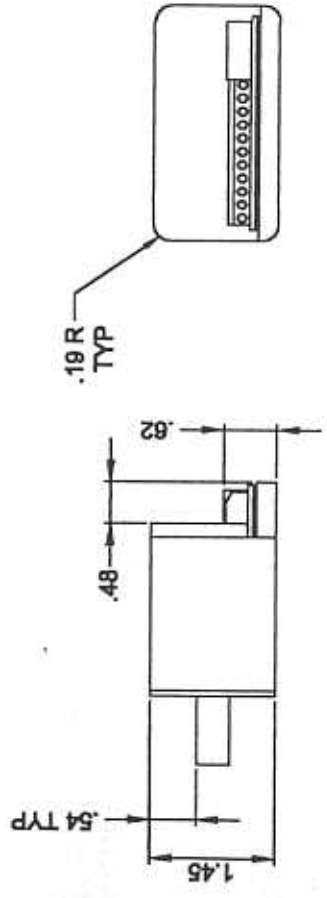
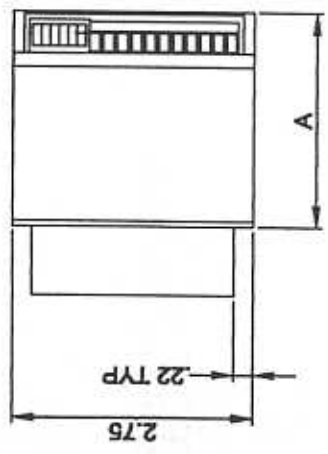
### Operating Instructions



## 2.0 Specifications

- Operating Temperature:** +5°C to +40°C non-condensing atmosphere
- Power Req'd:** Standard input is approx. 15 VDC, 100 mA (Optional 24 VDC – see label on SPR)  
Use 50-PS-08 for 115 VAC or 50-PS-18 for 230 VAC with bare end connections
- Power to Sensor: (from SPR)** 12 VDC regulated for Model 100 / 101 / 102 / 104 / 105 type Flow Sensors – use the 100-17 attach cable (except Not Req'd for Model 105)
- Relay Contacts:** One pole double throw – Center to a Normally Open, and to a Normally Closed Contact  
Rated: 0.5 Amp, 120 VAC 60 HZ or 0.5 Amp, 24 VDC maximum
- Adjustment:** Internal SET POINT – user adjustable with 20 turn trim pot -  
(use 1/8 inch small flat blade screwdriver).  
Voltage range approximately .05 to 5.2 VDC
- LED:** Yellow – means Set Point is exceeded by Flow Sensor Output voltage
- SWITCH:** 6 Position DIP Switch – Switch #1 if ON adds some noise immunity and reduces gain
- Terminal Block:** UL94V-0, 6 Amp rated. Wire sizes 18 - 26 (Recommend wire sizes 20 - 24 stranded)
- Mechanical Size:** SPR device approx. 1.4 x 2.76 x 3.5 Inches (without Din Rail Clip)
- Mounting:** Included DIN clip for 35 mm and 22 mm rails  
Or Customer can use 2-sided tape – not included
- Weight:** 0.2 Kg., (0.3 lbs) .... (1 lb. shipping)

A	B	C	D	E	F	G	H
<b>TITLE</b> XXXXXXXX USED IN MODEL: XXXXXX							
LTR ECO #							REV.
DATE							



SPR-1, -2 →

MODEL	DIM A (in)
MSB-1	<del>2.50</del>
MSB-2	3.50
MSB-3	3.50
MSB-4	<del>2.50</del>
MSB-5	3.50

DIMENSIONAL TOLERANCES UNLESS OTHERWISE SPECIFIED	DATE	4-03-97	TITLE	XXXXXXXXXX
	SCALE	XXXXX		
	MATL	XXXXXXXX		
	FINISH	XXXXXXXX		
ENG	R D M		PART Number	XXXXXXXXXX
			REV	XX

**COMPANY**  
Georgetown, Tx.

MSB  
1-5