



OSI *Ohio Semitronics, Inc.*

The **LEADER** in power measurement

ISO 9001 : 2008 QMS CERTIFIED

OPERATION & INSTALLATION GUIDE

OFT Series Meters

0.5in. 6-DIGIT LCD 4-20mA
LOOP-POWERED PROCESS METER



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SPECIFICATIONS, DIMENSIONS & CONNECTIONS

Refer to OFT spec sheet for specifications, dimensions and connection information.

SETUP MENU PROGRAMMING INSTRUCTIONS

1. To enter the setup menu, press the STEP (S2) push-button. (Refer to Figure 1 below for button locations.) Display will show "dEC Pt". Press STEP (S2) again to show current decimal point setting.
2. To change the value of the displayed parameter, press the SET (S1) push-button. Repeat pressing SET (S1) until the desired decimal point setting is reached.
3. To set relays, advance to the next parameter by pressing the STEP (S2) push-button. Display will show "S.P.1 no" (normally open). Press SET (S1) to change to nc (normally closed). Press STEP (S2) for Set Point Display.
4. Press the SET (S1) push-button to cause the least significant digit to flash. Continue to press and release the SET (S1) push-button until the flashing digit is incremented to the desired value.
5. To set decimal point and relays, press the STEP (S2) push-button to advance to the next digit. Continue this procedure until all digits are set.
6. Repeat the above steps for Setpoint Relay 2 (display S.P.2 no).

NOTE 1: When entering multi-digit values, all blank digits must be set to 0.

NOTE 2: Relay programming menu is present in both model options, but only valid for OFT-120-101.

7. To save changes and return to normal operation, use the STEP (S2) push-button to step through the menu. Display will return to normal operating mode after final menu step.

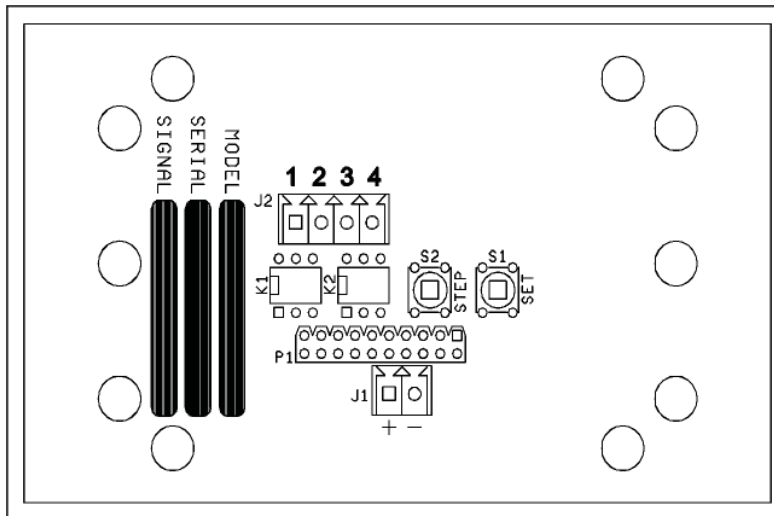


Figure 1: Rear View

SETUP MENU OPTIONS

PARAMETER	DISPLAY	CHOICES	DESCRIPTION
Decimal Point	dEC Pt	None	Announces Next Step
Set Decimal Point (S1)		0.00000	5 Decimal Places
		0.0000	4 Decimal Places
		0.000	3 Decimal Places
		0.00	2 Decimal Places
		0.0	1 Decimal Places
		0	No Decimal Place
*Setpoint 1 Polarity	S.P.1	nc	Setpoint 1 Contact Normally Closed
		no	Setpoint 1 Contact Normally Open
*Setpoint 1 Value			Enter 6-Digit value for Setpoint 1 Trigger Point
*Setpoint 2 Polarity	S.P.2	nc	Setpoint 2 Contact Normally Closed
		no	Setpoint 2 Contact Normally Open
*Setpoint 2 Value			Enter 6-Digit value for Setpoint 2 Trigger Point

*Setpoints 1 & 2 apply only to models with optional relays.

CALIBRATION INSTRUCTIONS

1. Apply 4mA to J1 observing proper polarity.
2. To enter the calibration menu, press the SET (S1) and STEP (S2) push-buttons simultaneously. Release both buttons when the display indicates "CAL. 4".
3. Press STEP (S2) to show current display value at 4mA. Press SET (S1) to initiate sequence with the least significant digit flashing.
4. Press and release the SET (S1) push-button until the flashing digit is incremented to the desired value. Press the STEP (S2) push-button to advance to the next digit. Continue this procedure until all digits are set.
5. Once all 6 digits have been set, press STEP (S2). The display will indicate "Ent. 4" while the meter calibrates its 4mA reading.
6. When the display changes to "CAL. 20", increase the input current at J1 from 4mA to 20mA.
7. Press STEP (S2) to show current display value at 20mA. Press SET (S1) to initiate sequence with the least significant digit flashing.
8. Press and release the SET (S1) push-button until the flashing digit is incremented to the desired value. Press the STEP (S2) push-button to advance to the next digit. Continue this procedure until all digits are set.
NOTE: When entering multi-digit values, all blank digits must be set to 0.
9. Once all 6 digits have been set, press STEP (S2). The display will indicate "Ent. 20" while the meter calibrates its 20mA reading.
10. When calibration is complete, the meter will return to normal operation.

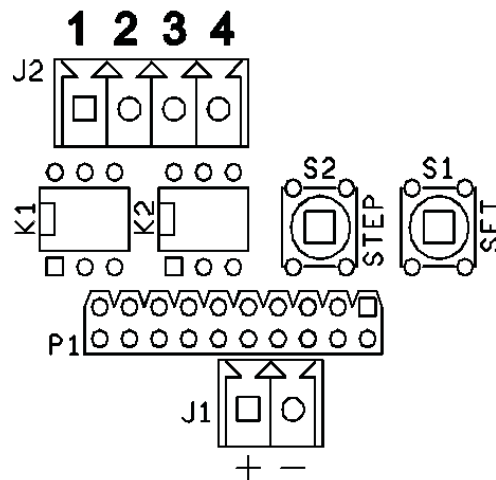


Figure 2: Switch Locations