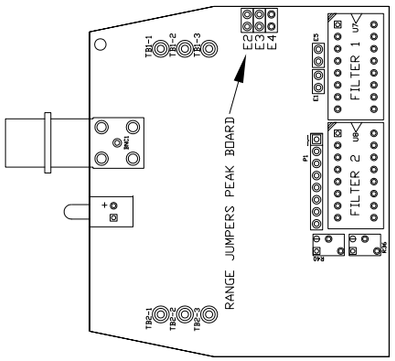
CMSS 540 Displacement Peak to Peak Transmitter Range Jumper Selections



INSTALL JUMPER	CMSS 540 PEAK TO PEAK	
	ENGLISH	METRIC
E2	5 MILS	127 MICRONS
E3	10 MILS	254 MICRONS
E2, E3	15 MILS	381 MICRONS
E3, E4	20 MILS	508 MICRONS
E2, E3, E4	25 MILS	635 MICRONS

Fig. 6

Alarm Board Jumper Selections

(Monitor Versions Only)

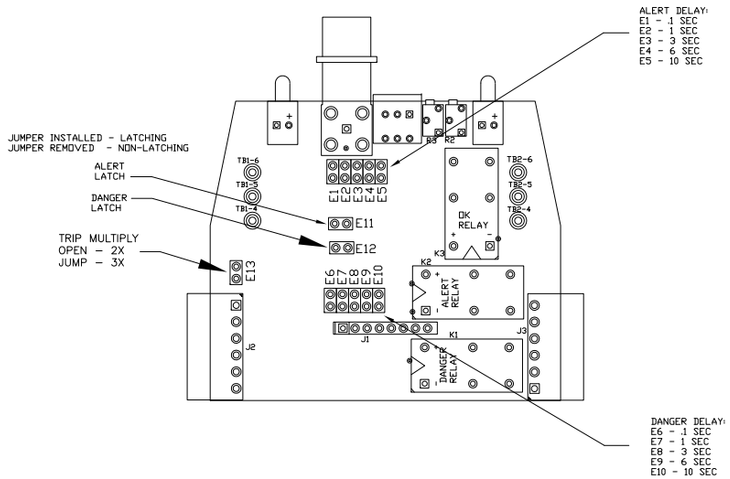
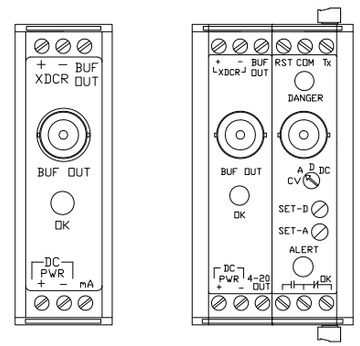


Fig. 8

Quick Start Guide

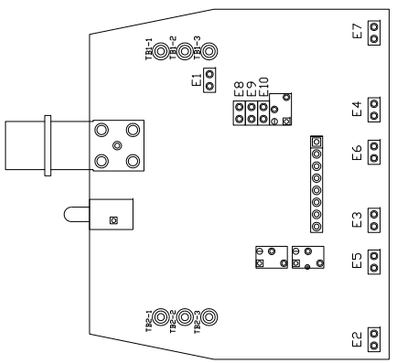
CMSS 500 Series Transmitters and Monitors



Transmitter Monitor

CMSS 500 Series Ver. A

CMSS 590 Enveloping Transmitter Range Jumper Selections



INSTALL JUMPER	CMSS 590
E1	CCD "ON"
E2, E5	ENV FILTER #4
E3, E6	ENV FILTER #3
E4, E7	ENV FILTER #2
E8	10 gE RANGE
E9	30 gE Range
E10	80 gE Range

Fig. 7

Basic Troubleshooting

OK Light Off:

1. Check for +24 VDC Power at bottom left terminals.
2. Check to be sure Sensor is wired properly to top left terminals.
3. OK Light will turn on after 30 seconds if sensor is OK.
4. If OK Light stays out check sensor bias or replace sensor.
   a. Accelerometer DC Bias should be between 4.0 to 16.0 VDC
   b. Eddy Probe DC Gap should be between -3.0 and -18.0 VDC
5. If sensor good (DC bias or gap OK) replace transmitter.

No 4-20 mA Output:

1. Check to be sure OK Light is "On" (see above)
2. Disconnect field wires and verify 4-20 mA directly with DVM.
3. If OK Light is "On" and there is no 4-20 mA output replace transmitter.

Erratic or Noisy Readings:

1. Check to be sure sensor shield is landed with sensor common.
2. Verify sensor shield is not grounded at each end.
3. Check for ground loops in system.
4. Verify sensor and cabling installation is in conduit and away from AC.
5. If radios causing interference, be sure to use metal enclosure and conduit.

Basic Wiring

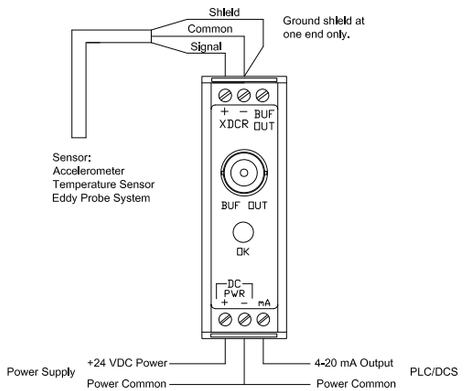


Fig. 1