

## Transmitter Quick Start:

- 1. Connect Sensor:**  
Connect Sensor to XDCR terminal at top-left front of unit. If sensor cable is not grounded at sensor connect shield to "Common" terminal. (See Fig. 1)
- 2. Connect Power:**  
Provide +24 VDC Power from either a local or remote source. On "Power Up" the OK Circuit will delay OK (Green LED) for 30 seconds. (See Fig. 1)
- 3. Select Full Scale Range if Required:**  
The CMSS 500 is shipped with 0-1.0 in/sec (0-25.0 mm/sec), 0-5 mil (0-125 um), 10 g, or 10 gE range selected. Refer to Fig. 3 to change Full Scale Range.
- 4. Connect 4-20 mA Output:**  
The 4-20 mA Output is "Source Type". The CMSS 500 Series provides the output current. The PLC or DCS will "Sink" the current. 0.00 Scale = 0.0 mA and Full Scale = 20.0 mA (See Fig. 1).
- 5. Buffered Output:**  
Sensor "Buffered Output" for connection to Portable Analyzers or other devices is available from the front BNC connector or top right terminal (See Fig. 2).

For additional information the complete Manual and Quick Start is available on the CD included in this package or Online at [www.CMCPWEB.com](http://www.CMCPWEB.com)

## Monitor Quick Start:

- 1. Connect Relays:**  
The Monitor is provided with 3 Relays. (OK, Alert and Danger). Connect Relay wiring per your requirements (See Fig. 8).
- 2. Latching or Non-Latching Relays:**  
Monitors are shipped in "Non-Latching" configuration. To change to "Latching" adjust jumpers (See Fig. 8). A local or remote momentary contact "Reset Switch" will be needed for "Latching" Relays.
- 3. Set Points:**  
Setpoints are set using the potentiometers marked "Set-D" and "Set-A". A voltmeter is required for adjustment. The BNC connector at the front on the module will provide a output between 0 and 5 VDC corresponding to 0 to full scale. Adjust the potentiometer to achieve the desired voltage. Example: 50% of full scale is equal to 2.5VDC.
- 4. Alert and Danger Delay**  
Monitors are preconfigured with 3 second delay. Delay can be changed to provide .1, 1, 3, 6, or 10 second delay (See Fig. 8).
- 5. Remote Reset (Optional):**  
If the Monitor is configured for "Latching Relays" a remote reset momentary switch can be used to Reset Alarms. Connect between any common terminal and reset terminal.

- 6. Trip Multiply (Optional):**  
Trip Multiply for startup of machines with critical speeds can be configured with a remote contact and jumper (See Fig. 3).

## Transmitter Connections

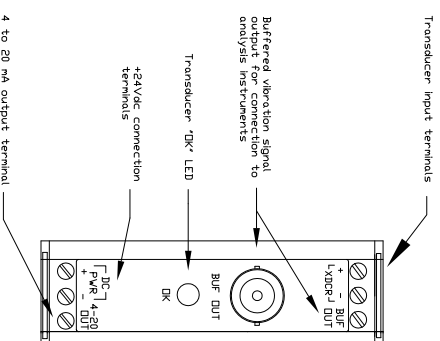


Fig. 2

## Alarm Board Connections (Monitor Versions Only)

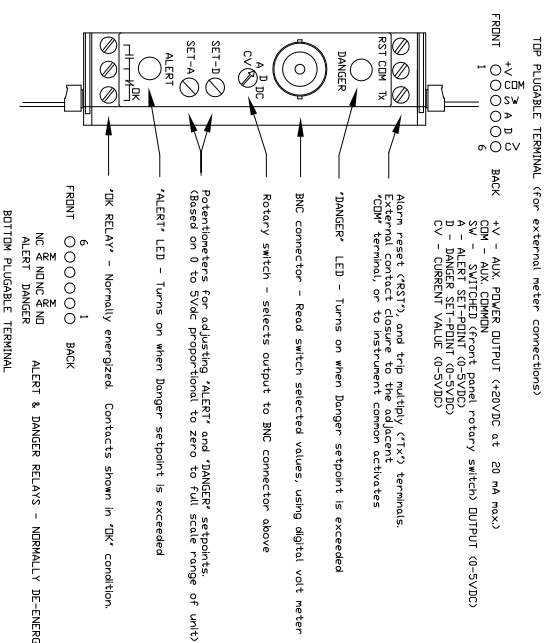
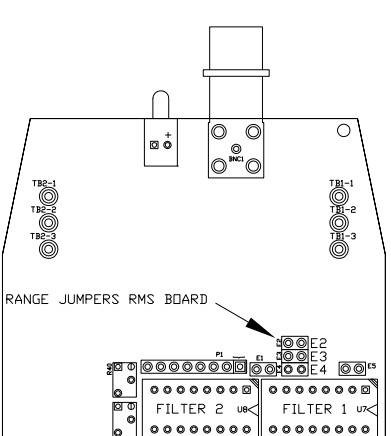


Fig. 3

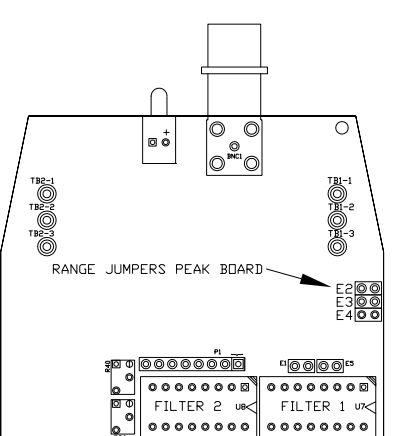
## CMSS 525/530 RMS Transmitter Range Jumper Selections



INSTALL JUMPER	CMSS 525	ENGLISH	CMSS 530	METRIC
E2	5.0 g's	0.5 in/sec	12.5	mm/sec
E3	10.0 g's	1.0 in/sec	25.0	mm/sec
E2, E3	15.0 g's	1.5 in/sec	37.5	mm/sec
E3, E4	20.0 g's	2.0 in/sec	50.0	mm/sec
E2, E3, E4	25.0 g's	2.5 in/sec	62.5	mm/sec

Fig. 4

## CMSS 525/530 Peak Transmitter Range Jumper Selections



INSTALL JUMPER	CMSS 525	ENGLISH	CMSS 530	METRIC
E2	5.0 g's	0.5 in/sec	12.5	mm/sec
E3	10.0 g's	1.0 in/sec	25.0	mm/sec
E2, E3	15.0 g's	1.5 in/sec	37.5	mm/sec
E3, E4	20.0 g's	2.0 in/sec	50.0	mm/sec
E2, E3, E4	25.0 g's	2.5 in/sec	62.5	mm/sec

Fig. 5