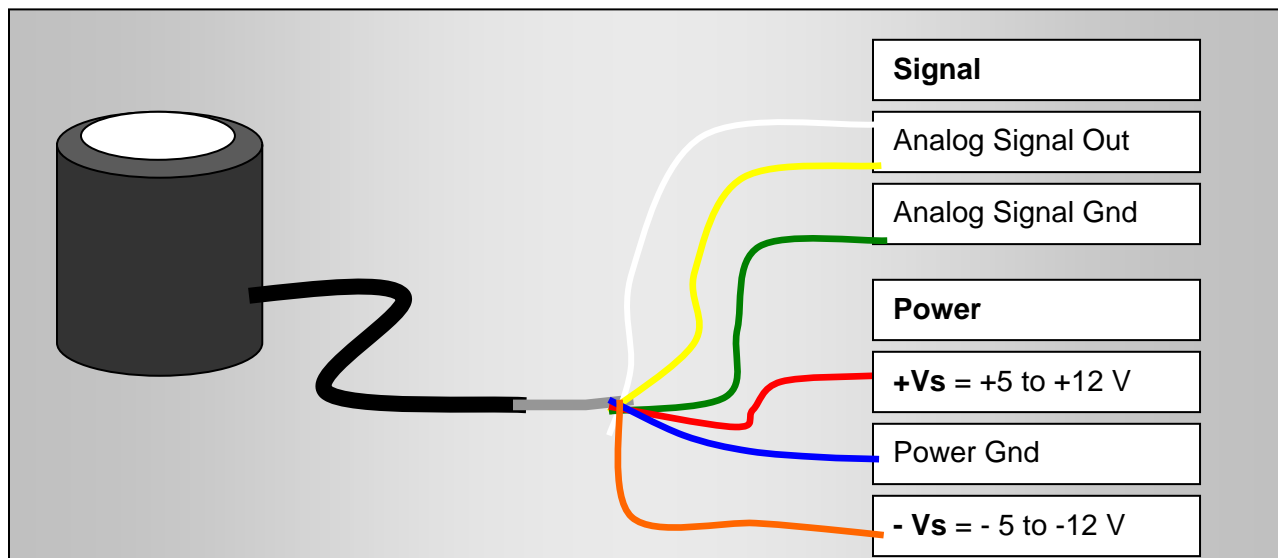


Wiring Diagram for Analog PMA11XX Detectors

Wire the detector as shown below. Connect the Analog and Power grounds together so the analog signal is not floating. Connect the shield to earth ground or leave open.

WIRE COLOR	PMA11XX WIRING CORRESPONDENCE
White	Analog Signal output, (0 to $V_{supply} - 0.5V$)
Yellow	Analog Signal output, (0 to $V_{supply} - 0.5V$)
Green	Analog ground
Orange	-5V to -12V power input
Red	+5V to 12V power input
Blue	Power ground
Metal shell	Shield



It is essential for proper operation to connect the RED wire to the positive power supply and the ORANGE wire to the NEGATIVE power supply. The BLUE wire is the POWER ground.

The Signal can be accessed from either the YELLOW or the WHITE wire and the GREEN wire is the ANALOG. The analog and power grounds are separated by a 1M Ω resistor, but may be connected together.