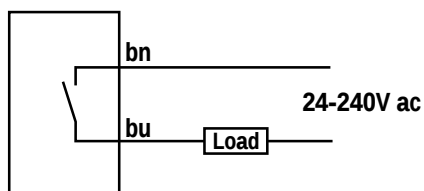


MINI-BEAM AC Product Specifications	
Supply Voltage and Current	24 to 240V ac (50/60 Hz), 250V ac max
Supply Protection Circuitry	Protected against transient voltages
Output Configuration	SPST SCR solid-state relay with either normally closed or normally open contact (light/dark operate selectable); 2-wire hookup
Output Rating	Minimum load current 5 mA; maximum steady-state load capability 300 mA to 50°C ambient (122°F) 100 mA to 70°C ambient (158°F) Inrush capability 3 amps for 1 second (non-repetitive); 10 amps for 1 cycle (non-repetitive) Off-state leakage current less than 1.7 mA rms On-state voltage drop ≤5 volts at 300 mA load, ≤10 volts at 15 mA load
Output Protection Circuitry	Protected against false pulse on power-up
Output Response Time	8 milliseconds on and off "OFF" response time specification does not include load response of up to 1/2 ac cycle (8.3 milliseconds). Response time specification of load should be considered when important. (NOTE: 300 millisecond delay on power-up.)
Repeatability	2.6 milliseconds; Response time and repeatability specifications are independent of signal strength.
Adjustments	LIGHT/DARK OPERATE select switch, and 15-turn slotted brass screw GAIN (sensitivity) adjustment potentiometer (clutched at both ends of travel). Both controls are located on rear panel of sensor and protected by a gasketed, clear acrylic cover.
Indicators	Red indicator LED on rear of sensor is "ON" when the load is energized
Construction	Reinforced VALOX® housing, totally encapsulated, o-ring sealing, acrylic lenses, and stainless steel screws
Environmental Rating	Meets NEMA standards 1, 2, 3, 3S, 4, 4X, 12, and 13; IEC IP67
Connections	PVC-jacketed 2-conductor 2 m (6.5ft) or 9 m (30ft) cables, or 3-pin micro-style quick disconnect (QD) fitting are available. QD cables are ordered separately. See page 8.
Operating Temperature	Temperature: -20° to +70°C (-4° to +158°F) Maximum Relative Humidity: 90% at 50°C (non-condensing)
Application Notes	i) ac MINI-BEAMS may be destroyed from overload conditions ii) Use on low voltage requires careful analysis of the load to determine if the leakage current or on-state voltage of the sensor will interfere with proper operation of the load iii) The false-pulse protection feature may cause momentary drop-out of the load when the sensor is wired in series or parallel with mechanical switch contacts
Certifications	  

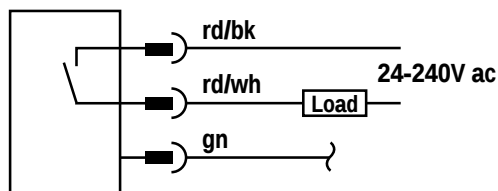
VALOX® is a registered trademark of General Electric Company

MINI-BEAM AC Hookup Diagrams

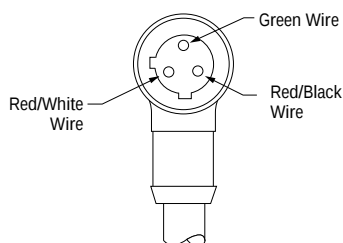
AC Sensors with Attached Cable



AC Sensors with Quick Disconnect (3-Pin Micro-Style)



3-Pin Micro-Style Pin-out (Cable Connector Shown)



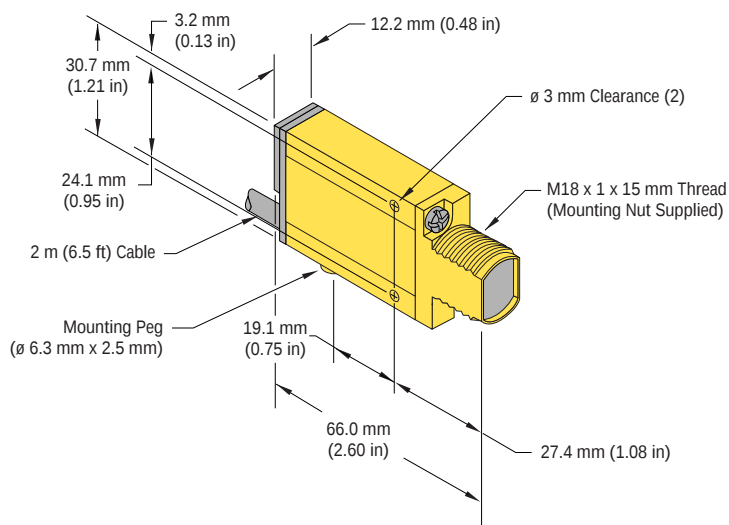
Quick Disconnect (QD) Option

AC MINI-BEAM sensors are sold with either a 2 m (6.5 ft) or a 9 m (30 ft) attached PVC-covered cable, or with a 3-pin micro-style QD cable fitting.

AC QD sensors are identified by the letters "QD" in their model number suffix. For more information on mating QD cables, see page 8.

MINI-BEAM Dimension Information

MINI-BEAM AC Sensor with Integral Cable



MINI-BEAM AC Sensor with Quick-Disconnect

