SPECIFICATIONS

PHYSICAL

Enclosure: Wall mounting gray polycarbonate with hinged cover

Dimensions:	**Beacon 110**	**Beacon 200**	**Beacon 410**	**Beacon 800**
	Height: 8.5	Height: 8.5"	Height: 12.5"	Height: 12.5"
	Width: 7.0"	Width: 7.0"	Width: 11.0"	Width: 11.0"
	Depth 4.3"	Depth: 4.3"	Depth: 6.4"	Depth: 6.4"

Conduit Connection

1/2" NPT conduit hubs:	2	3	4	4

Wiring Termination: Screw type terminal block 14 gauge max.

Environmental Operating Temp: -4°F to 122°F (-20°C to 50°C)

Storage Temp: -4°F to 158°F (-20°C to 70°C)

Relative Humidity: 0 - 95% RH

Enclosure Rating: NEMA-4X enclosure, chemical, and weather resistant.

INPUTS

Direct Wired Sensors (Beacon 110, 200, and 410 only) Note: Beacon 800 requires 4-20mA sensors.

LEL / PPM Hydrocarbon

Oxygen

Carbon Monoxide

Hydrogen Sulfide

Remote amp not required for less than 500 feet.

4-20 mA Sensors: Accepts any 4-20 mA transmitter (24VDC, 2 or 3 wire). A wide variety of sensors are available with 4-20 mA signals. (See list of detectable gases. Wiring distances up to 5000 feet.)

OUTPUTS

Relays:

Beacon 110:   4 relays - 12 amp rating (at 115 VAC), SPDT isolated contacts.3 relays for gas alarm levels 1 relay for malfunction

Beacon 200:   2 relays per channel – 10 amp rating (@115 VAC), SPDT isolated contacts. 1 set of common relays: 2 for gas alarm levels, 1 for malfunction

Beacon 410:   2 relays per channel – 10 amp rating (@115 VAC), SPDT isolated contacts. 1 set of common relays: 2 for gas alarm levels, 1 for malfunction

Beacon 800:   2 relays per channel - 10 amp rating (@115 VAC), SPDT isolated contacts. 1 set of common relays: 2 for gas alarm levels, 1 for malfunction

Relays fully programmable for: increasing or decreasing alarm, latching or self reset, normally energized or normally de-energized, time delay for alarm on and alarm off.

4-20 mA   Signal output, 4-20 mA (into 500 ohms impedance maximum).

24 VDC   24 VDC output provided to operate sample drawing adapters or other accessories.

Display: Alphanumeric display with back-lighting.

    Beacon 110: 1 display, 16 characters per line; 2lines.

    Beacon 200: 1 display, 20 characters per line; 4 lines

    Beacon 410: 1 display, 20 characters per line; 4 lines

    Beacon 800: 2 displays, 16 characters per line; 4 lines each. All 8 channels continuously displayed.

Audible: Built-in audible alarm, 94 dB, mounted on enclosure. Coded Output: pulsing = gas alarm   steady = fail

Visual: Beacon 110: 5 visual alarm LED's on the front cover for status indication, pilot, and malfunction.

    Beacon 200: 4 visual alarm LED's on the front cover for status indication, pilot, and malfunction.

    Beacon 410: 4 visual alarm LED's on the front cover for status indication, pilot, and malfunction.

    Beacon 800: 4 visual LED alarms on front cover for alarm indications, pilot, and malfunction.

POWER

115 VAC or 12 VDC standard

Optional: 230 VAC

Battery backup option available

WARRANTY

Two years materials and workmanship