Beacon 100, 200 and 800 Continued

Industry Applications

- Laboratories
- Semiconductor Manufacturing Facilities
- Petrochemical Plants & Refineries
- Water & Wastewater Treatment Plants
- Pulp & Paper Mills
- Gas, Telephone, & Electric Utilities
- Parking Garages
- Manufacturing Facilities

Specifications

Physical

Enclosure . . . . . .
Wall mounting gray polycarbonate with hinged cover

Dimensions . . . . . .
Beacon 100 8.5″H x 7.0″W x 4.3″D
Beacon 200 8.5″H x 7.0″W x 4.3″D
Beacon 800 12.5″H x 11.0″W x 6.4″D

Conduit Connection . . . . . .
1/2″ NPT conduit hubs: Beacon 100 2
Beacon 200 3
Beacon 800 4

Wiring Termination . . . . . .
Screw type terminal block14 gauge max

Environmental

Temp. Operating Range . . . . . .
-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 - 100% RH

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

Inputs

Direct Wired Sensors . . . . . .
(Beacon 100 & 200 only)

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 100: 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 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 100: 1 display, 16 characters per line; 2 lines.
Beacon 200: 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 100: 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 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.

How to Order: *Specify a component from each category*

1. Controller part number
2. Detector assemblies required (select from list on page 199)

Model Number	Description
72-2101 RK	Beacon 100 single point controller
72-2102 RK	Beacon 200 two point controller
72-2108 RK	Beacon 800 eight point controller