

*The Most Reliable Carbon Monoxide
Protection Available!*

 **COSTAR®**
Model 9SIR

Residential Carbon Monoxide (CO) Alarm



The *NEW COSTAR® 9SIR* Carbon Monoxide Alarm from the world's leader in CO protection. Quantum Group's CO sensor technology was shown to be the most reliable by Lawrence Berkeley National Laboratory.*

 **Meets UL 2034 (Oct. 1, 1998)**

Each unit is 100% tested in CO

 **No False Alarms***

Genetic engineering creates world's first biotechnology-based infrared gas sensor

 **Battery Operated**

Operates for more than one year with 9-volt alkaline battery and has low battery warning

 **Microprocessor Intelligence**

Continuously self-tests every 10 minutes and supervises sensor and alarm circuit status

 **Solid-state Infrared (SIR)**

Integrated sensor and reservoir system

 **6-Year Limited Warranty**

Assures customer confidence

*Carbon Monoxide Detector Technology Comparison: Response to Various Gases, LBNL Report 40556 (Lawrence Berkeley National Laboratory, July 1998)

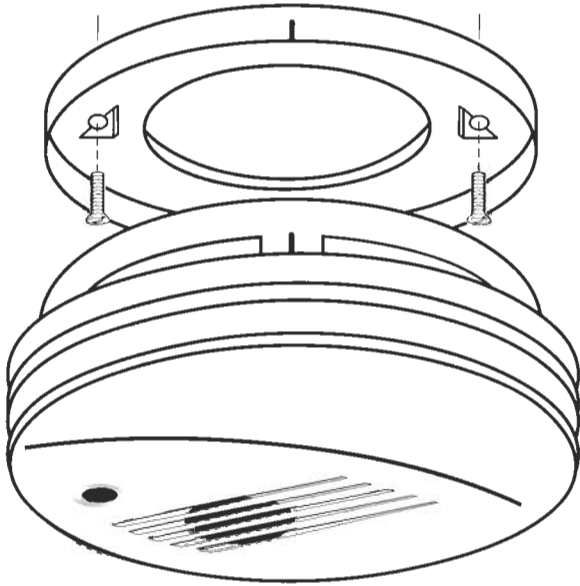


 **COSTAR®** is a registered trademark of
QUANTUM GROUP INC.
San Diego, California
(800) 432-5599



COSTAR® Model 9SIR

Battery Powered Carbon Monoxide (CO) Alarm



Architectural Specifications:

The carbon monoxide alarm is white or off-white in color, circular in design and is powered by a 9-volt alkaline battery. The battery is included. Under normal use, the battery powers the alarm for at least one year. The unit includes a mounting plate, a tamper pin and the required screws and anchors for installation. The alarm uses a solid-state infrared technology system with a reservoir that does not require replacement. The unit is capable of operating from 32°F to 126°F (0° to 52°C) and within a relative humidity range of 15% to 95%. Alarm signals are both audible and visual. The audible alarm is a minimum of 85 dB at 10 feet accompanied by a continuously pulsating red LED. The unit indicates a low battery condition by emitting a single chirp every 30 seconds accompanied by a single flash of the red LED. The red LED flashes every 30 seconds to indicate that the unit is powered. The alarm self-tests every 10 minutes and indicates a fault or malfunction by a double red LED flash and a beep of the horn every 30 seconds. Pressing the built-in Test/Reset button electronically tests the unit's circuitry and horn, and temporarily silences the alarm if carbon monoxide is present. The alarm is listed to UL 2034 (Oct. 1, 1998), C-UL for Canada and CE for Europe.

Technical Specifications

Listing:	UL 2034 (Oct. 1, 1998), C-UL for Canada and CE for Europe
Detection Technology:	Solid-state Infrared (SIR) sensor with reservoir system
Installation Method:	Mounts onto ceiling or wall using the mounting plate, screws and anchors provided.
Power Source:	9-Volt alkaline battery
Battery Life:	At least one year under normal use
Operating Environment:	32°F to 126°F (0°C to 52°C); 15% to 95% RH
Signals:	<p>NORMAL—LED flashes every 30 seconds indicating that the alarm is powered</p> <p>ALARM—LED turns "on" for 2 seconds and "off" for 3 seconds with 4 short beeps for 1 second and 4 seconds of silence</p> <p>FAULT—LED double flash and 1 beep every 30 seconds</p> <p>LOW BATTERY—1 chirp every 30 seconds</p> <p>TEST—1 chirp then LED flashes 4 or 5 times followed by 2 alarm signals</p>
CO Levels*	Response
30 ppm	None
70 ppm	60-240 min.
150 ppm	10-50 min.
400 ppm	4-15 min.
*ppm = parts per million	

Shipping Specifications:

Units per case:	12
Quantity per pallet:	144 cases
Dimensions:	10.5" x 10.5" x 5.0"
Shipping weight:	5.4 lbs per case
UPC Code (USA):	0 37729 00040 0

U.S. Patents: 5,063,164 5,624,848 5,573,953 5,618,493 and other patents pending