



Model 12-24 SIR CARBON MONOXIDE (CO) System Detector



Listed Underwriters Laboratories

Standard 2075

Power Input

Allows for input of 12 or 24 Vdc

False Alarm Resistant

See Lawrence Berkeley National Laboratory Report 40556

Low Current Draw

Standby 60 microamps
Trouble or Alarm 25 milliamps

6-Year Limited Warranty

Microprocessor Control

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

Two Alarm Relays

Non-Latching
Form "C", 0.1A-30Vdc
Automatic reset with dual relays



Model 12-24SIR

Carbon Monoxide (CO) System Detector

TECHNICAL SPECIFICATIONS

Operating-Storage:	40° F to 100° F (4.4° C to 37.8° C); 15% to 95% RH
Detection Technology:	Solid-state Infrared (SIR) sensor with reservoir system
Sound Output:	85 dB @ 10 feet
Power Source:	12 or 24Vdc Nominal, operating voltage range 10-28 V
Field Wiring:	14-22 AWG
Alarm-Trouble Relay:	Contact Rating Form "C", 0.1A-30Vdc non-latching
Mounting Location:	Wall or Ceiling
Unit Dimensions:	5" diameter, 1.75" height

ALARM RESPONSE TIMES

CO LEVELS	RESPONSE TIMES
30 parts per million	No Response for 30 days
70 parts per million	Within 60 to 240 minutes
150 parts per million	Within 10 to 50 minutes
400 parts per million	Within 4 to 15 minutes

ALARM SIGNALS

NORMAL:	Red LED flashes every 30 seconds indicating that the alarm is powered
ALARM:	Flashing Red LED and pulsating horn
TROUBLE/SERVICE:	Red LED flashes twice and horn "beeps" once every 30 seconds
TEST:	One chirp, then Red LED flashes 4-5 times followed by 2 alarm signals

PACKAGES

Description	Quantity	Weight	Dimensions
COSTAR® Model 12-24 SIR System CO Detector	12	7lbs	11"Lx11"Wx6"D
	48	28lbs	22.25"Lx10.1"Wx12"D



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