



# 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

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

<b>NORMAL:</b>	Red LED flashes every 30 seconds indicating that the alarm is powered
<b>ALARM:</b>	Flashing Red LED and pulsating horn
<b>TROUBLE/SERVICE:</b>	Red LED flashes twice and horn "beeps" once every 30 seconds
<b>TEST:</b>	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

Authorized Distributor:  
GasDetectorsUSA.com  
Houston, TX USA  
832-615-3588  
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