

# DXS-80 Wireless Carbon Monoxide Alarm

The DXS-80 is a UL listed<sup>†</sup>, single station, carbon monoxide alarm with a built-in supervised transmitter. It is compatible with Linear's wireless DXS Format Security Systems, Personal Emergency Reporting Systems (PERS), and other stand-alone receivers. The DXS-80 provides a warning to alert against both the acute and chronic effects of carbon monoxide (CO) poisoning.

When carbon monoxide is detected, the alarm sounds a loud local alarm. The built-in transmitter sends a digitally coded wireless signal to its companion receiver every 20 seconds until the air has cleared and the detector is restored.

The local alarm can be silenced once by pressing the test/reset button. The transmitter will continue to send an alarm signal every 20 seconds. After 7 minutes, the alarm will sound again if there is still an unsafe carbon monoxide concentration level. The reset function can be used only once for each alarm occurrence.

No field coding is required because the DXS-80 is factory set to a unique code; one of over a million possible codes.



The DXS-80 is powered by one 3-volt lithium battery. The battery is supplied and can power the unit for up to the six year life of the detector. If the battery voltage drops below a preset level the alarm will sound a low battery chirp every 45 seconds and a low battery signal will be sent to the receiver.

At about 6 years, the carbon monoxide detector element will reach the end of its serviceable life. The self-supervising detector will signal a permanent trouble condition, indicating time for replacement.

## SPECIFICATIONS

**REGULATORY LISTINGS:** UL2034

**DETECTION METHODS:** Electrochemical

### **TIME TO ALARM PER UL 2034:**

Carbon Monoxide Concentration Level	Minimum Time to Alarm	Maximum Time to Alarm
50 ppm +/- 5 ppm	30 days	Indefinite
70 ppm +/- 5 ppm	60 min	240 min
150 ppm +/- 5 ppm	10 min	50 min
400 ppm +/- 5 ppm	4 min	15 min

**AUDIBLE OUTPUT:** 85 dBA/10'

**OPERATING TEMP. RANGE:** 32°-100° F

**POWER:** 3-Volt battery (Lithium Type 123A)  
*(UL tested for greater than 1 year service life)*

**CURRENT:** 7 mA alarm average, 15 µA standby

**FREQUENCY:** 315 MHz

**NUMBER OF CODES:** One of 1,048,576 possible codes

**DIMENSIONS:** 5.3" diameter, 2.0" h

**COMPATIBLE RECEIVERS<sup>†</sup>:**

PERS-3600	PERS-2400A
DXSR-1504	DXSR-1508
DVS-1200	DXR-702
DUAL-824	DVS-2400



**Model DXS-80**  
(SST00116)  
Carbon Monoxide Alarm

**Also available as a kit:  
DX-COKIT**  
(SSA00020)

Kit contains one DXR-702 receiver with a DXS-80 already learned into the receiver

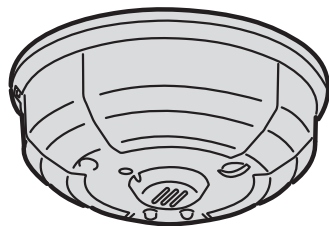
*NOTE: The DX-COKIT is not for use in UL Listed applications*



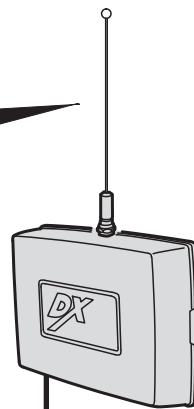
**Model DXR-702**  
(SNR00149)  
2-Channel Receiver

<sup>†</sup> The DXS-80 is currently UL Listed for use with the Linear PERS Consoles only. It has not been tested by UL with other compatible Linear receivers.

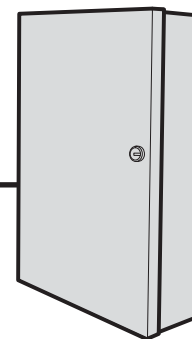
# DX-COKIT



DXS-80



DXR-702



Security Alarm Panel

The DX-COKIT is an excellent way to add CO protection to new or existing security alarm panels

*NOTE: The DX-COKIT is not for use in UL Listed applications*

**Security Alarm Panel Requirement:** Available input(s) which can accept a dry N.C. or N.O. contact

## DX-COKIT

- Includes one DXS-80 CO Detector and one Linear DXR-702 Receiver, with the DXS-80 already learned into the receiver
- Interconnects to any Security Alarm Panel that can accept a dry N.C. or N.O. contact for a zone input
- Perfect for installations that require one CO detector

For applications requiring more than one CO detector, Linear recommends and offers the following product solutions:

Number of CO Detectors	Linear Receiver	Notes
1	DXR-702	Use the Linear DX-COKIT
1 to 4	DXSR-1504	Purchase the required number of DXS-80 Detectors
1 to 8	DXSR-1508	Purchase the required number of DXS-80 Detectors

NOTE: When multiple CO detectors are required for an application, Linear recommends that each CO detector be assigned to its own receiver channel to assure proper device supervision and reporting.

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