

CO800-G USER MANUAL

Carbon monoxide Detector

INTRODUCTION

The CO Detector is effective for detecting any buildup of carbon monoxide, also known as CO gas, in your home or office. The features of CO gas detector include:

- (1) Easy to install and maintenance
- (2) Compensation according to operating time and environment conditions such as temperature
- (3) Dual LEDs for 360° visibility
- (4) Five year limited warranty

TYPICAL WIRING DIAGRAM

Figure 1 shows the typical wiring diagram of the 2-wire multiple-station addressable Carbon Monoxide detector system.

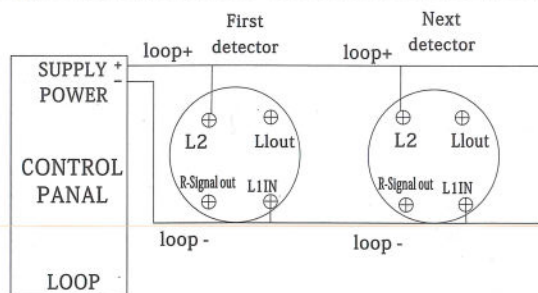


Fig.1. Carbon Monoxide detector wiring diagram

INSTALLING THE BASE

1. To insure proper installation of the detector head to the base, all the wires should be properly addressed at installation:

- (A) Position all the wires flat against terminals.
- (B) Fasten the wires away from connector terminals.

INSTALLING THE HEAD

1. Align the components as shown in Figure 2.
2. Mate the detector head onto the base and twist clockwise to secure it.
3. Do not install the detector head until the area is clean.

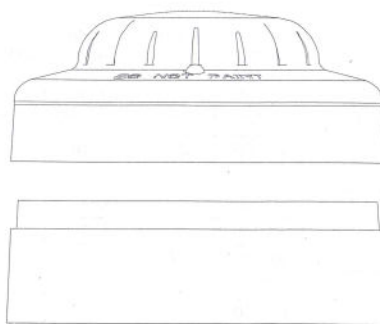


Fig. 2 Alignment of detector head and its base

LOCATIONS TO INSTALL YOUR DETECTOR

Since CO gas moves freely in the air, the suggested location is in or as near as possible to sleeping areas of the home. The human body is most vulnerable to the effects of CO gas during sleeping hours. For maximum protection a CO detector should be located outside primary sleeping areas or on each level of your home. In the figure below, are suggested locations in the home. The electronic sensor detects carbon monoxide, measures the concentration and sounds a loud alarm before a potentially harmful level is reached.

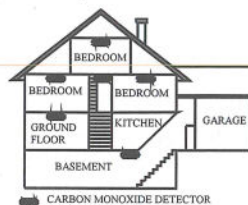


Fig.4 Locations to install Carbon Monoxide detector

Do not place the detector in the following areas:

- (a) Where the temperature may drop below 0 °C or exceed 49°C
- (b) Near paint thinner fumes
- (c) Within 5 feet (1.5 meter) of open flame appliances such as furnaces, stoves and fireplaces
- (d) In exhaust streams from gas engines, vents, flues or chimneys

Do not place in close proximity to an automobile exhaust pipe; this will damage the detector

SETTING THE ADDRESS OF THE DETECTOR

Switches 1 to 7 are used to set a binary address, with the OFF position being binary 0, and the ON position being binary 1.

Addresses 0 (all OFF) and 127(all ON) are not used.

addr	DIL switch Setting 1234567	addr	DIL switch Setting 1234567	addr	DIL switch Setting 1234567	addr	DIL switch Setting 1234567	addr	DIL switch Setting 1234567	addr	DIL switch Setting 1234567	addr	DIL switch Setting 1234567
1	1000000	11	1101000	21	1010100	31	1111100	41	1001010	51	1100110	61	1011110
2	0100000	12	0011000	22	0110100	32	0000010	42	0101010	52	0010110	62	0111110
3	1100000	13	1011000	23	1110100	33	1000010	43	1101010	53	1010110	63	1111110
4	0010000	14	0111000	24	0001100	34	0100010	44	0011010	54	0110110	64	0000001
5	1010000	15	1111000	25	1001100	35	1100010	45	1011010	55	1110110	65	1000001
6	0110000	16	0000100	26	0101100	36	0010010	46	0111010	56	0001110	66	0100001
7	1110000	17	1000100	27	1101100	37	1010010	47	1111010	57	1001110	67	1100001
8	0001000	18	0100100	28	0011100	38	0110010	48	0000110	58	0101110	68	0010001
9	1001000	19	1100100	29	1011100	39	1110010	49	1000110	59	1101110	69	1010001
10	0101000	20	0010100	30	0111100	40	0001010	50	0100110	60	0011110	70	0110001
71	1110001	81	1000101	91	1101101	101	1010011	111	1111011	121	1001111		
72	0001001	82	0100101	92	0011101	102	0110011	112	0000111	122	0101111		
73	1001001	83	1100101	93	1011101	103	1110011	113	1000111	123	1101111		
74	0101001	84	0010101	94	0111101	104	0001011	114	0100111	124	0011111		
75	1101001	85	1010101	95	1111101	105	1001011	115	1100111	125	1011111		
76	0011001	86	0110101	96	0000011	106	0101011	116	0010111	126	0111111		
77	1011001	87	1110101	97	1000011	107	1101011	117	1010111				
78	0111001	88	0001101	98	0100011	108	0011011	118	0110111				
79	1111001	89	1001101	99	1100011	109	1011011	119	1110111				
80	0000101	90	0101101	100	0010011	110	0111011	120	000111				

TYPES OF DETECTOR SIGNALLING

The carbon monoxide detector has to be warmed up for at least 3 minutes after being energized, then go into normal monitoring condition. There are two types of detector signaling:

- (1) Red LED flashes every 4-6 seconds which indicates the detector in the normal monitoring condition.
- (2) When the control panel sends the alarm command to the detector, the red LED will keep on lighting until the control panel cancels the alarm.

CAUTIONS

The CO-800-G series of Carbon Monoxide Detector are not supposed to be used as smoke detector or heat detector. In addition, this detector should not be installed in a “danger area” as defined by National Electrical Code.

The addressable Carbon Monoxide detector will only operate when it connect to addressable control panel. In other words, it will not work normally at any situation when connect to other control panel

model	Voltage DC	Standby Current (Max.)@24V	Alarm Current (Max.)@24V	Operating Temp(°C)
CO800-G	17V~28Vdc	600uA	6.0mA	0°C~49°C

SPECIFICATION

WARRANTY INFORMATION

Under the normal operation conditions, the manufacturer provides five-year warranty for the sensor head of gas detector and one-year warranty for other parts for repairing without charge. Part and labor charge will be required after the warranty is expired. To be safe, they should be replaced after they have been installed for five years.

CAUTION: DO NOT ATTEMPT DISASSEMBLY OF THE FACTORY SEALED DETECTOR. THIS ASSEMBLY IS SEALED FOR YOUR PROTECTION AND IS NOT INTENDED TO BE OPENED FOR SERVICING BY USERS. TO OPEN THE DETECTOR HEAD WILL VOID THE WARRANTY.