Installation Instructions

Notice

These instructions are for the installation of the UL listed D380 Carbon Monoxide Detector. The D380 may be installed in a 12 or 24 V AC or DC circuit for use in commercial and residential applications. For specific information on connecting this device to an alarm control panel, refer to the installation instructions provided with the control panel.

CAUTION   **is used in these instructions to indicate procedures to follow to avoid damage to equipment.**

Installation Standards

Install, test, and maintain these devices according to these instructions, Local Codes and the Authority Having Jurisdiction. Failure to follow these instructions may result in failure of the detector to perform its intended operation. Radionics is not responsible for improperly installed, tested, or maintained devices.

Device Description

The D380 Carbon Monoxide Detector is listed under UL Standard 2034. This device can function as a self contained unit or as a system detector. The on-board sounder provides an 85 db output at 10 feet when the CO level matches the active alarm profile. Active alarm level profiles are based on time weighted averages of the gas present. Three LEDs provide detector status information; green for normal, amber for a possible hazardous situation and red for dangerous CO levels. The form "C" alarm contacts are rated at 1 amp @ 125V, 30 VA.

The D380 Detector can be surface mounted to a flat wall surface or attached to a single gang box.
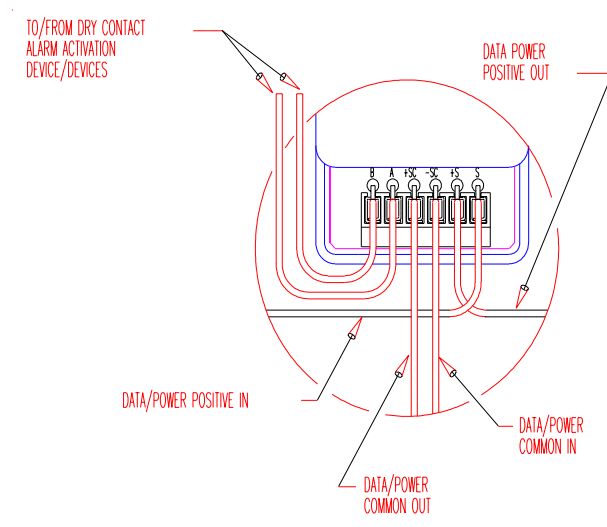
A. Wiring the Detector

Connect the two red leads from the D380 to a 12 or 24 volt AC or DC supply. The form C contacts color code is as follows: Orange is Normally Closed. Blue is Common. Brown is Normally Open.

Caution: **Remove AC and standby power from the Control Panel and detector before connecting or disconnecting devices.**

Figure1: D380 Wiring Diagram

B. Installing the Detector

Screw it to the wall. (Use the instructions for input on this section about proper mounting) This section needs to have at least the same level of detail as the Macurco lit.

Figure 2: D380 Installation diagram

D380 Carbon Dioxide Detector Specifications

Voltage	12 or 24 VAC or VDC
Current	3.3 VA typical
Size	1 5/8 x 3 1/4 x 4 1/2 in.
Color	White
Alarm Output	85 db at 10 feet
Contact Configuration	Form C / SPDT
Contact Rating	1 A, 125 V, 30 VA, dry
Weight	1 Pound

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