



RFx No.: 3000025395

Title: Carbon Monoxide Alarms - DPS

- Carbon Monoxide Alarm shall be UL2034
- The unit shall incorporate an electrochemical sensor
- Temperature operating range shall be between 40 degrees F and 100 degrees F (4 degrees C and 38 degrees C).
- Humidity operating range shall be 10%-95% relative humidity.
- The state will accept carbon monoxide alarms that meet the UL2034 standard for relative humidity.
- Alarm shall incorporate a 85dBA solid state piezo signal at 10 feet
- Alarm shall include a low or missing battery indicator
- The unit shall at a minimum meet the requirements of:
 - UL2034
 - Americans with Disabilities Act (ADA)
 - NFPA 101 (one- and two-family dwellings)
 - Federal Housing Authority (FHA)
 - Housing and Urban Development (HUD).
- Power Source: Sealed Lithium Battery
- Warranty: 10 year limited
- Kidde carbon monoxide alarm model number C3010 or equal
- Six alarms per box

The carbon monoxide alarm shall be Kidde Model C3010 or approved equal. It shall be powered by a sealed lithium battery. The temperature operating range shall be between 40°F and 100°F (4°C and 38°C) and the humidity operating range shall be 10% - 95% non condensing relative humidity. The CO sensor shall be of a fuel cell design and shall meet the sensitivity requirements of Underwriters Laboratories UL2034 Single and Multiple Station Carbon Monoxide Alarms. The alarm can be installed on the surface of any wall or placed on a tabletop following the UL/NFPA/Manufacturer's recommended placement guidelines. The alarm shall include a test button that will electronically simulate the presence of CO and cause the unit to go into alarm. This sequence tests the unit's electronics to ensure proper operation. Per UL 2034 requirements, the CO sensor will not alarm to levels of CO below 30 ppm and will alarm in the following time range when exposed to the corresponding levels of CO. 70 ppm CO Concentration 60 – 240 minutes 150 ppm CO Concentration 10 – 50 minutes 400 ppm CO Concentration 4 – 15 minutes The unit shall incorporate 3 LEDs. A green LED will flash once every 30 seconds to indicate the alarm is operating properly when power is present. A red LED will pulse to indicate carbon monoxide has been detected until the device is reset or CO is eliminated. An amber LED will flash every second to signal alarm malfunction or low battery. The alarm shall include a piezoelectric horn that is rated at 85 decibels at 10 feet. When the unit detects carbon monoxide, the alarm pattern will be four (4) short beeps – followed by five (5) seconds of silence – followed by four (4) short beeps with a corresponding red LED flash. It shall include a 10-year manufacturer's limited warranty.