

CARBON MONOXIDE ALARMS

MATERIAL SPECIFICATIONS

NON-DIGITAL DISPLAY MODELS

1. Carbon Monoxide Alarm shall:
 - 1.1 Be Underwriters Laboratories tested and listed to ANSI/UL 2034-05
 - 1.2 Be powered by 9v long-life lithium battery
 - 1.2.1 Battery shall be factory preinstalled within a compartment which has a separate battery door that is locked closed with a tamper-resistant screw
 - 1.2.2 Pull-out tab shall protect battery from activation during shipment and storage
 - 1.2.3 Green LED shall flash intermittently to indicate that battery has proper power level
 - 1.2.4 Audible and visual warning signals shall activate when battery power is low
 - 1.3 Utilize an electrochemical sensor for best accuracy and reliability
 - 1.4 Activate audible and visual warning signal when UL prescribed alarm thresholds are reached
 - 1.5 Activate audible and visual warning signal when alarm malfunctions or sensor life expires
 - 1.6 Include a separate mounting plate for permanent installation
 - 1.6.1 Integral restraining flange shall secure detector to mounting plate
 - 1.6.2 Battery shall not be accessible without removing alarm from mounting plate
 - 1.7 Include a written guarantee from manufacturer that warrants that alarm and sensor shall be free from defects in materials and workmanship for minimum five years, and that battery included shall power alarm for minimum five years without replacement

DIGITAL DISPLAY MODELS

1. Carbon Monoxide Alarm shall:
 - 1.1 Be Underwriters Laboratories tested and listed to ANSI/UL 2034-05
 - 1.2 Be powered by 9v long-life lithium battery
 - 1.2.1 Battery shall be factory preinstalled within a compartment which has a separate battery door that is locked closed with a tamper-resistant screw
 - 1.2.2 Pull-out tab shall protect battery from activation during shipment and storage
 - 1.2.3 Green LED shall flash intermittently to indicate that battery has proper power level
 - 1.2.4 Audible and visual warning signals shall activate when battery power is low
 - 1.3 Utilize an electrochemical sensor for best accuracy and reliability
 - 1.4 Include an alpha-numeric digital display
 - 1.4.1 Current CO level shall automatically display when alarm is activated
 - 1.4.2 Current and highest CO levels detected, from 10 to 500ppm, and duration of peak level, shall be accessible from memory by pressing a button on face of alarm
 - 1.5 Activate audible and visual warning signal when UL prescribed alarm thresholds are reached
 - 1.6 Activate audible and visual warning signal when alarm malfunctions or sensor life expires
 - 1.7 Include a separate mounting plate for permanent installation
 - 1.7.1 Integral restraining flange shall secure detector to mounting plate
 - 1.7.2 Battery shall not be accessible without removing alarm from mounting plate
 - 1.8 Include a written guarantee from manufacturer that warrants that alarm and sensor shall be free from defects in materials and workmanship for minimum five years, and that battery included shall power alarm for minimum five years without replacement