

## ATTACHMENT B - SPECIFICATIONS

### Specifications for Kidde 19010 Smoke Alarm or Approved Equal:

- Smoke alarm shall be powered by a pre-installed, non-replaceable, non-removable Lithium Battery.
- Lithium battery shall have 10 year life.
- Lithium battery shall be sealed in the unit to prevent removal and/or tampering.
- The unit shall incorporate an ionization sensor with nominal sensitivity of 0.88%/ft.
- 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 5%-85% relative humidity.
- The state will accept smoke alarms that meet the UL217 standard for relative humidity.
- Smoke alarm can be installed on the surface of any wall or ceiling following the UL/Manufacturer's approved placement guidelines.
- Alarm shall incorporate an automatic activation feature that will activate the unit as soon as it is attached to the mounting bracket; no other steps are involved.
- Alarm shall provide optional tamper resistance that locks the unit to the mounting bracket and deters removal of the unit from the wall or ceiling.
- Alarm shall include a test button that will simulate a fire condition and cause the unit to go into alarm. This sequence tests the unit's electronics to ensure proper operation.
- The unit shall include a Piezoelectric horn that is rated at 85 decibels at 10 feet.
- The unit shall include the smart hush feature that silences the unit for 7-9 minutes if a nuisance condition occurs.
- The red LED shall illuminate for 1 second every 8 seconds and shall automatically reset itself.
- If the alarm is in the hush mode and the condition that triggered the alarm persists, the alarm shall sound again to signal potential danger despite its presence in hush mode.
- The unit shall incorporate one red LED to indicate the alarm's current status and mode of operation.
- The LED will indicate one of four modes:
  1. Standby Mode: LED will flash every 40-45 seconds to indicate the unit is operating correctly
  2. Alarm Mode: LED will flash every 1.5 seconds to indicate the unit is alarming and will be accompanied by the horn sounding.
  3. Hush Mode: LED will illuminate for 1 second every 8 seconds to indicate the unit is temporarily silenced.
  4. Memory Set Mode: If alarm memory has been set, the LED will flash rapidly when the test button is pressed.
- The unit shall include an end of life alert which indicates the alarm needs to be replaced.
- The unit will "chirp" once every 40-45 seconds to notify the user.
- The unit shall have a deactivation switch to disable it and make it safe for disposal.
- The unit shall at a minimum meet the requirements of:
  - UL217
  - NFPA 72 (Chapter 11, 2002 Edition), the State of California Fire Marshal
  - NFPA 101 (one- and two-family dwellings)
  - Federal Housing Authority (FHA)
  - Housing and Urban Development (HUD).
- Power Source: One, 3V lithium battery
- Weight: 1 LB. approximately
- Interconnects: No
- Size: 5.6" in diameter x 1.55" depth approximately
- Warranty: 10 years limited
- Kidde smoke alarm model number I9010 or equal