

## **ARCHITECTURAL AND ENGINEERING SPECIFICATIONS**

### **9120B Series**

The smoke alarm shall be BRK Model 9120B or approved equal and shall provide, at a minimum, the following features and functions.

1. A dual ionization smoke sensing chamber.
2. The unit shall be capable of self restoring.
3. A screened sensing chamber to prevent entry of small insects thereby reducing the probability of unwanted nuisance alarms.
4. Powered by 120V AC, 60Hz and have a monitored 9V battery backup.
5. A visual LED (green) power-on indicator to confirm unit is receiving power. A visual LED (red) indicator to confirm unit has switched to battery backup mode or is in alarm.
6. A single button test/silence feature. Test button should check all alarm functions by simulating a smoke condition, causing the unit to alarm. The silence feature to temporarily silence unwanted alarms.
7. A solid state piezo horn rated at 85dB minimum at 10 ft.
8. The unit shall be capable of operating between 40°F (4°C) and 100°F (38°C) and relative humidity between 10% and 90%.
9. The unit shall center mount to any standard electrical junction box up to 4 inches octagonal without screw removal and shall be listed for wall or ceiling mounting.
10. The unit shall have a locking mechanism to deter battery removal and /or theft of the unit.
11. The unit shall have a gasketless base for easy installation and be capable of keeping alarm secure over a wide rotation range to allow for true alarm alignment.
12. The unit shall have a plug in connector and be capable of interconnection of up to 18 alarms, 12 of which can be smoke alarms.
13. A dust cover shall be provided to keep alarm clean during construction.
14. The unit shall at a minimum meet the requirements of UL217, CSFM, NFPA 72, NFPA 101, ICC, ICBO, BOCA, SBCCI and CABO.