

## **ARCHITECTUAL AND ENGINEERING SPECIFICATIONS**

### **3120B Series**

The smoke alarm shall be BRK Model 3120B or approved equal and shall provide, at a minimum, the following features and functions.

1. Two smoke sensing chambers - photoelectric and ionization.
2. Powered by 120V AC, 60Hz and have a monitored battery backup and a solid state piezo horn rated at 85dB at 10 ft. and shall be capable of self restoring.
3. A visual power-on indicator to confirm unit is receiving AC power or has switched to battery backup mode.
4. Two Latching features: Alarm Latch to easily identify initiating alarm after alarm condition has subsided. Low battery latch: to visually identify which unit is in low battery condition. Two Silence Features: Alarm Silence to temporarily silence nuisance alarms. Low Battery Silence to silence low battery chirp for up to 8 hours.
5. Two Locking features - tamper resistant locking pins that lock battery drawer and/or alarm to mounting bracket.
6. The unit shall be capable of operating between 40°F (4°C) and 100°F (38°C) and relative humidity between 10% and 95%.
7. 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.
8. 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.
9. The unit shall at a minimum meet the requirements of UL217, CSFM, NFPA 72 and the ICC.