

CM-4800S Main System



CM-4800S

Description: The Sentinel Emergency Communication System is designed to provide fully supervised, full duplex voice communication, between each call station and Base Station(s). An internal modem, connected to a telephone line, provides an automated-timed dial-out capability to an alternate monitoring location (Not Included). This system can support up to 500 stations. By special order, 500+ devices can be supported – please contact Cornell for a quote. The Main System itself can host 8 devices (phones or call stations); additional devices can be hosted via expansion modules (ES-4808S).

Operation: When a call is initiated at a Call Station (4800VS), this signals the alarm to display at the Base Station(s) (A-4800BS). Sound will initiate and a detailed description will display where the call is coming from on the Base Station(s) screen. The Main System will control all of these functions.

Call Off-Site Operation: The Sentinel Emergency Communication System incorporates a programmable automatic dial feature to connect to telephone (POTS, VoIP, SIP are supported; please confirm exact requirements before installation). In the event that a call from a Call Station is not answered at any of the Base Station(s) after a preset amount of time, the Sentinel system will automatically dial a pre-programmed phone number to directly connect the Call Station to a monitoring location (not included) for two-way voice communication.

Mounting: The Main System is mounted inside an included wall enclosure. The surface mount wall enclosure assembly (20" x 20" x 8") consists of a fan cooled black metal enclosure with a locking, hinged Door.

Engineering Specifications: The contractor shall furnish and install the CORNELL CM-4800S as indicated on the plans. Systems shall be programmed to meet customer-provided-specifications – custom programming options are available at additional cost. Please contact Cornell for details and pricing. Systems shall be mounted in CORNELL provided enclosures.

Technical Information:

- Power Requirements: 120V, 60Hz, 15A dedicated circuit with earth ground service is required. Pair of 12VDC, 7Ah or 65aH backup options recommended.
- Operating Environment: 50-100°F Indoor Non-condensing; Humidity <95%
- Physical Dimensions of the Enclosure: 20" x 20" x 8"
- Mounting: Follow instructions provided in installation manual
- Wiring: Cat5e (or better) Ethernet cabling is required for connections between Main System, Base Station(s), Expansion Module(s) and Call Stations. 18/2 conductor or larger for 24VDC power connections.