Call Station
4800V

Description: The Digital Area of Rescue/Refuge Assistance Call Station (4800V) will initiate a call at the Control Panel(s) when button is pressed. When not answered on site after a preprogrammed time has elapsed, the Main Panel will call off site to an emergency number of your choice.

Operation: The 4800 system can support a total of 255 Call Stations. The Station will initiate an alarm at to the Control Panel(s) when the button is pressed.

Option: The 4800V Call Station provides an auxiliary set of momentary form “C” contacts that can be used to activate external devices, such as a camera, strobe, or tone device. Please refer to the installation manual for more information on this option.

Mounting: It is required that each Call Station should be mounted in a 4” Masonry Box, Raco #696 or equivalent, in a controlled indoor environment. Call Stations connect to a Control Panel or Expansion Switch using an RJ45 connector and Cat5E cable.

Engineering Specifications: The contractor shall furnish and install the CORNELL 4800V Call Stations as indicated on the plans. Faceplates shall be satin-finish stainless steel with silk-screened designations. The activation button shall be via a large 1.5” Mushroom Pushbutton manufactured of heavy gauge plate material. Stations shall be mounted in 4” Masonry Boxes, Raco #696 or equivalent.

Technical Information:
- Power Requirements: 24VDC
- Operating Environment: 50-120°F Indoor Non-condensing
- Physical Faceplate Dimensions: 4 ½ ”H x 4 ½ ”W (2 Gang)
- Mounting: 4” Masonry Boxes, Raco #696 or equivalent
- Wiring: Cat5e cable, Standard straight- thru, TIA/EIA 568A or TIA/EIA 568 B.2
4800 SYSTEM RISER

120 VAC, 60 Hz
5 AMP

1ST FLOOR
MAINTENANCE ROOM/CLOSET

B-4248A
24VDC
POWER SUPPLY (1)
AC FAIL
LOW/BATTERY FAIL
1-8 24VDC OUTPUT

PHONE LINE
TO MODEM LOCATION

24VDC
2/16 AWG
MAX DISTANCE 478"

Cot5e 100M OR 328' LIMITATION
PHONE LINE

MAIN CONTROL PANEL

A-4800R
REMOTE CONTROL PANEL

Cot5e TO THE WAN PORT ON THE A-4800R
OR ES-4808 EXPANSION SWITCH 1-8 ADDITIONAL
REMOTE CONTROL PANELS CAN BE CONNECTED

4800V
CALL STATION

EACH REMOTE CONTROL PANEL CAN SUPPORT
UP TO 8 4800V CALL STATIONS OR
A COMBINATION OF SWITCHES AND CALL STATIONS

Cot5e TO THE WAN PORT ON THE NEXT
EXPANSION SWITCH UP TO 31 SWITCHES CAN
CONNECT FOR A TOTAL OF 255 CALL STATIONS

ES-4808 EXPANSION SWITCH

4800V
CALL STATION

EACH EXPANSION SWITCH CAN SUPPORT
UP TO 8 4800V CALL STATIONS OR
A COMBINATION OF SWITCHES AND CALL STATIONS

B-5248A
24VDC
POWER SUPPLY (2)
AC FAIL
LOW/BATTERY FAIL
1-8 24VDC OUTPUT

4TH FLOOR
MAINTENANCE ROOM/CLOSET

120 VAC, 60 Hz
5 AMP

CABLE LEGEND

2/22 AWG NON-SHELD/STRANDED
UL CABLE MAXIMUM DISTANCE 2000'

2/16 AWG NON-SHELD/STRANDED
UL CABLE MAXIMUM DISTANCE 478'

Cot5e ETHERNET CABLE
STANDARD STRAIGHT-THRU
TIA/EIA 568A OR TIA/EIA 568B

EMI SUPPRESSION FILTERS
REQUIRED FOR FCC COMPLIANCE