

EXHIBIT E

PROX-100 Installation Instructions

Installation Instructions for PROX-100 Ceiling Mount

Model: PROX-100C

1.0 Specifications:

Enclosure: Dome-Style Enclosure, Figure 1

Environmental: Operating Temp.: -20°C to 60°C
Storage Temp.: -20°C to 70°C
Rel. Humidity: 5 to 95%

Power: 24V DC, 130mA Typical

RF Frequency: 902 - 928 MHz ISM Band

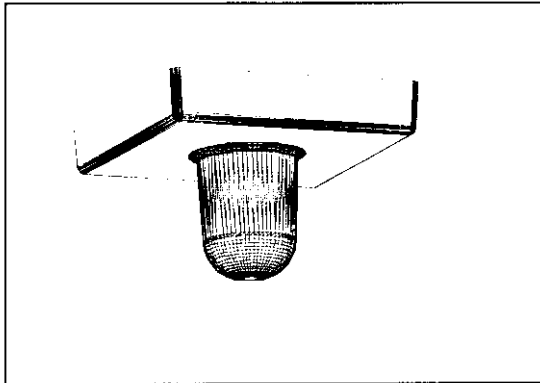


Figure 1, Dome-Style Enclosure

Note: The PROX-100C is shipped completely assembled and tested. DO NOT open plastic housing as this may harm sensitive electronic components. If PROX-100C is not performing properly, please advise Customer Service.

2.0 Mounting:

Mounting locations must be based upon most recent site survey. The PROX-100C should be mounted as close as possible to identified locations recorded in site survey.

Installation Orientation:

The PROX-100C must be suspended above acoustic tile in a drop ceiling with dome protruding through acoustic tile.

Installation Location:

Mounting Position: PROX-100C should be mounted in a drop ceiling with supplied installation hardware (See Section 4.0, Hardware). Mounting position must be at least 1 foot away from and metal objects such as HVAC ducts, fire sprinkler system lines or other plumbing lines.

Multiple-Level Installations: PROX-100C detectors must be mounted as directly over one another as practical if multiple levels are being installed.

Installation Tips:

- Select a mounting location that is at least 1 foot away from any metal objects such as HVAC ducts, fire sprinkler system lines or other plumbing lines.
- Select a mounting location that is not easily tampered with, obstructed or damaged by typical traffic in installed area.
- Select a mounting location that is easily accessible to installed busline and pig-tail connector to the PROX-100C.
- Select a mounting location that the PROX-100C can be secured firmly to the drop ceiling.
- Select proper installation hardware to secure the PROX-100W to the construction of the drop ceiling
- Refer to Figure 2 for typical busline loading and Table 1 for total length per segment restrictions of PROX-100C detectors.

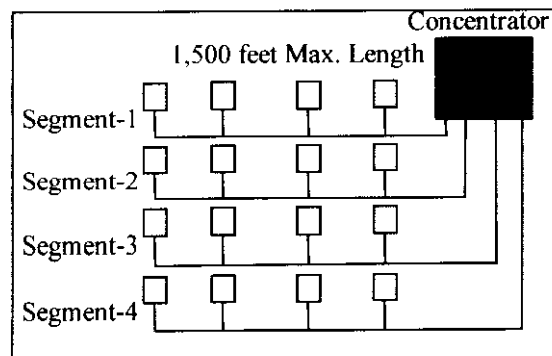


Figure 2, Typical Busline Loading

Total Number of PROX-100C per Segment	PROX-100C Evenly Spaced	PROX-100C End Cluster
1	1500 ft.	1500 ft.
2	1100 ft.	700 ft.
4	650 ft.	350 ft.
6	450 ft.	250 ft.
8	300 ft.	150 ft.

Table 1, Total Length Per Segment Restrictions
(Assuming 18 AWG Wire, Contact Customer Service for other Options)

3.0 Wiring:

WARNING!!! DO NOT apply power to segments until all connections have been made and inspected.

Pig-Tail Assembly:

Fabricate pig-tail assembly as shown in Figure 3. Length of pig-tail is determined by installation personnel. Pig-tail length may not exceed 5 feet.

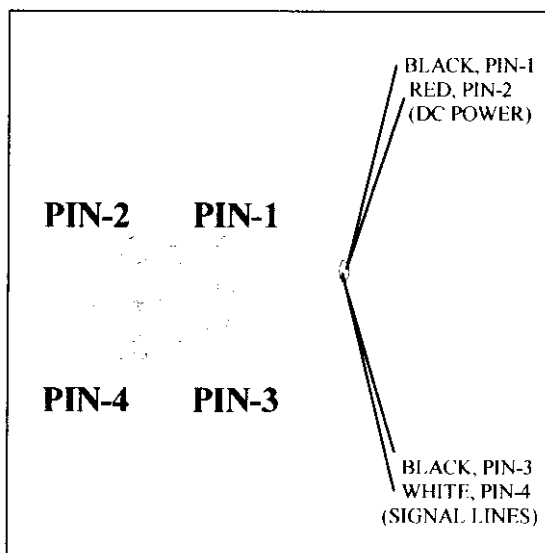


Figure 3, Pigtail Assembly

Connecting the PROX-100C:

Feed pigtail assembly through Wiremold™ metal raceway if pigtail is exposed below drop ceiling. Raceway length should be sufficient to shield pig-tail from line-of-sight of typical traffic.

After mounting orientation and position have been identified use template to cut hole in acoustic tile (see page 3 for PROX-100C hole template). Place dome halo through hole in acoustic tile and fold over tabs (3 Places) to secure dome halo to acoustic tile. This will beautify the hole previously cut in the acoustic tile. The PROX-100C is now ready to be hung from the drop ceiling “T” rails using Caddy™ Hardware.

Next, connect the pigtail to the segment busline using Skotchlok™, 804 (Blue) moisture-resistant tap connector. This connection is accomplished by opening a portion of the busline outer insulation wrap to reveal the four conductors in the busline. Splice pig-tail to busline with Skotchlok™, 804 (Blue) moisture-resistant tap connector and be certain to keep busline a continuous line for other PROX-100C detectors to be spliced into the conductive pathway of the segment.

Engage connector end of pig-tail to PROX-100C wire harness. Connector may seat into channel after coupling has been made, but is not necessary to seat in channel to function properly.

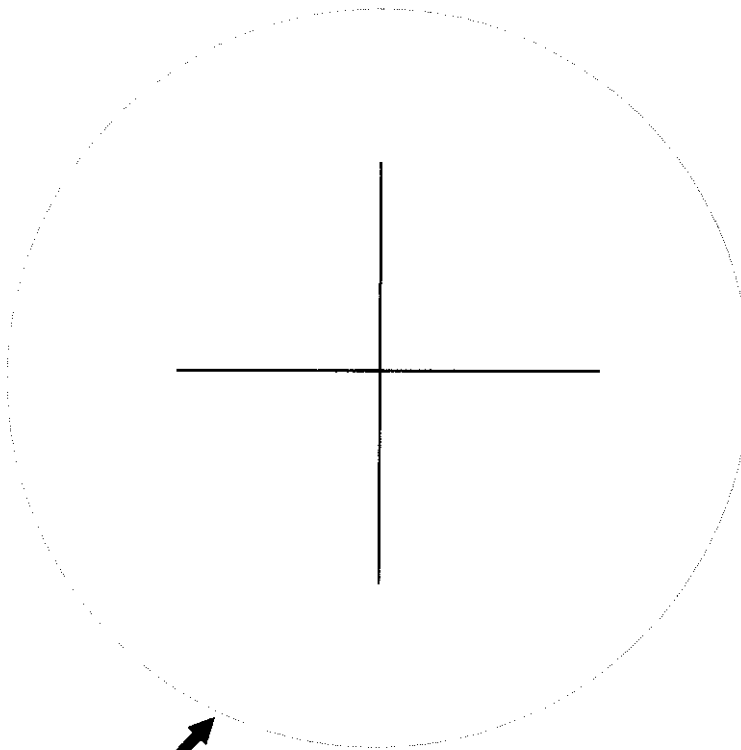
4.0 Hardware:

- Dome Halo: CT-10005
- Hanger Bracket Assembly: Caddy™ BHC
- Installation Hanger: Caddy™ 512
- Molex Connector: 39-00-0039
- Molex Pin: 39-01-2040
- Molex Hand Crimp Tool: 11-01-0197
- Beldin Wire: 9156
- Skotchlok™ 804 (Blue)
- Crimping/Stripping Pliers
- WireMold™ V500 Metal Raceway, Ivory ScuffCoat™ Finish

CUT TEMPLATE FOR PROX-100C DETECTOR

**1) PLACE TEMPLATE AT IDENTIFIED
MOUNTING LOCATION OF ACOUSTIC TILE**

2) CUT HOLE



CUT HERE



Installation Instructions for PROX-100 Wall Mount

Model: PROX-100W

1.0 Specifications:

Enclosure: Patch-Style Enclosure, Figure 1

Environmental: Operating Temp.: -20°C to 60°C
Storage Temp.: -20°C to 70°C
Rel. Humidity: 5 to 95%

Power: 24V DC, 130mA Typical

RF Frequency: 902 - 928 MHz ISM Band

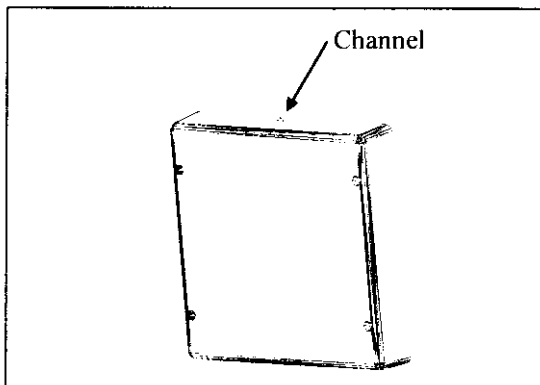


Figure 1, Patch-Style Enclosure

Note: The PROX-100W is shipped completely assembled and tested. DO NOT open plastic housing as this may harm sensitive electronic components. If PROX-100W is not performing properly, please advise Customer Service.

2.0 Mounting:

Mounting locations must be based upon most recent site survey. The PROX-100W should be mounted as close as possible to identified locations recorded in site survey.

Installation Orientation:

Alignment of channel is to be placed "up" for indoor applications and "down" for outdoor/high moisture applications. DO NOT mount channel to "side." Please refer to Figure 1.

Installation Location:

Mounting Height: PROX-100W should be mounted 6 feet from floor. Maintain consistent heights for all PROX-100W detectors. PROX-100W should be placed at a minimum of 2 feet from ceiling. Placing the PROX-100W too close to the ceiling may cause interference with detector on level above (if multiple levels are being installed) resulting in the reduction of level to level location accuracy.

Multiple-Level Installations: PROX-100W detectors must be mounted as directly over one another as practical if multiple levels are being installed. Maintain consistent heights from floor and ceiling for all PROX-100W detectors on all levels of building being installed.

Installation Tips:

- Select a mounting location that is at least 1 foot away from any metal objects such as HVAC ducts, fire sprinkler system lines or other plumbing lines.
- Select a mounting location that is 6 feet from floor and 2 feet from ceiling.
- Select a mounting location that is not easily tampered with, obstructed or damaged by typical traffic in installed area.
- Select a mounting location that is easily accessible to installed busline and pig-tail connector to the PROX-100W.
- Select a mounting location that the PROX-100W can be secured firmly to the wall.
- Select proper installation hardware to secure the PROX-100W to the construction of the wall. (i.e. plastic or lead anchors)
- Refer to Figure 2 for typical busline loading and Table 1 for total length per segment restrictions of PROX-100W detectors.

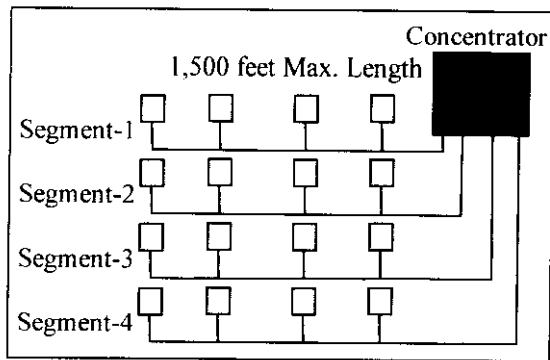


Figure 2, Typical Busline Loading

Total Number of PROX-100W per Segment	PROX-100W Evenly Spaced	PROX-100W End Cluster
1	1500 ft.	1500 ft.
2	1100 ft.	700 ft.
4	650 ft.	350 ft.
6	450 ft.	250 ft.
8	300 ft.	150 ft.

Table 1, Total Length Per Segment Restrictions
(Assuming 18 AWG Wire, Contact Customer Service for other Options)

3.0 Wiring:

WARNING!!! DO NOT apply power to segments until all connections have been made and inspected.

Pig-Tail Assembly:

Fabricate pig-tail assembly as shown in Figure 3. Length of pig-tail is determined by installation personnel. Pig-tail length may not exceed 5 feet.

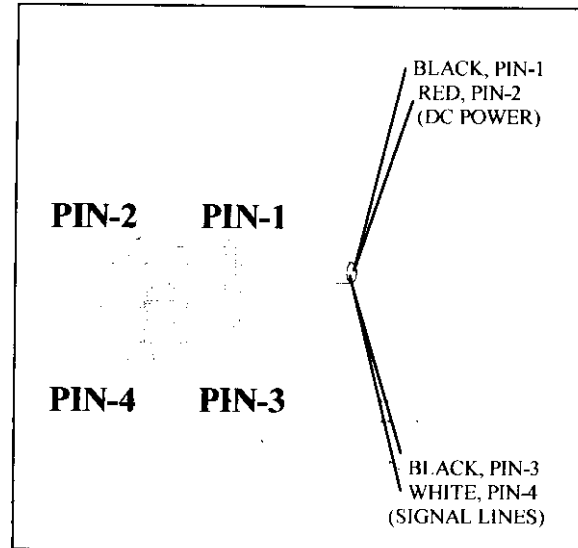


Figure 3, Pigtail Assembly

Connecting the PROX-100W:

Feed pigtail assembly through Wiremold™ metal raceway. Raceway length should be sufficient to shield pig-tail from line-of-sight of typical traffic.

After mounting orientation, height and position have been identified use template to drill holes (See page 4 for the PROX-100W hole template) for anchors or to directly secure the unit to wall material. Connect the pigtail to the segment busline using Skotchlok™ 804 (Blue) moisture-resistant tap connector. This connection is accomplished by opening a portion of the busline outer insulation wrap to reveal the four conductors in the busline. Splice pig-tail to busline with Skotchlok™, 804 (Blue) moisture-resistant tap connector and be certain to keep busline a continuous line for other PROX-100W detectors to be spliced into the conductive pathway of the segment.

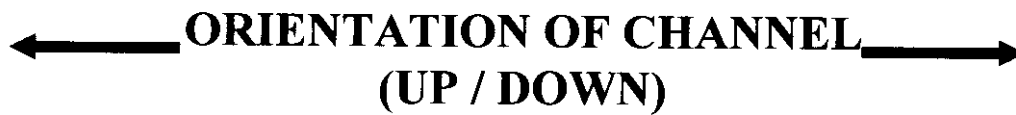
Engage connector end of pig-tail to PROX-100W and secure to wall using listed hardware options. Connector will seat into channel when mounted to wall.

4.0 Hardware:

- Molex Connector: 39-00-0039
- Molex Pin: 39-01-2040
- Molex Hand Crimp Tool: 11-01-0197
- Beldin Wire: 9156
- Skotchlok™ 804 (Blue)
- Crimping/Striping Pliers
- #10 Plastic Anchors (Sheet-Rock applications)
- #10 Lead Anchors (Concrete Applications)
- #10 PPH Tamperproof Driver
- No. 3 Drill Bit (Anchor Mount)
- No. 27 Drill Bit (Self Tapping Mount)
- WireMold™ V500 Metal Raceway, Ivory ScuffCoat™ Finish



**DRILL TEMPLATE FOR
PROX-100W DETECTOR**



- 1) PLACE TEMPLATE AT IDENTIFIED
MOUNTING LOCATION**
- 2) DRILL HOLES (4 PLACES) PER
MOUNTING HARDWARE REQUIRED**

