

3.0 Fuse Link Specifications:

These BET's have a built in 26 gauge fuse link. If an overcurrent condition were to occur, the chassis will act as a fuse chamber, greatly reducing any threat to safety. Once fuse links have been fused, they cannot be rehabilitated or repaired.

Only 1880B1-25 with 24 AWG cable INPUT does not incorporate a fuse link. The incoming cable MUST be spliced with 26 AWG or smaller cable to provide a UL approved fuse link.

4.0 Installation Data:

The Terminal should be installed to the network's standard installation procedure. However, the following factors should be considered.

- 4.1 Use care when unpacking the Terminal from its shipping carton to avoid damage to the Terminal, modules, or connectors.
- 4.2 Install the Terminal as close to the incoming entrance cable as possible.
- 4.3 The Terminal can be mounted on any level, uniform vertical surface. Install the Terminal where it will be accessible to technicians at all times without the terminal obstructing individuals or equipment.
Note: Although the Terminal is designed to withstand extreme conditions, it is always best to avoid any unnecessary problems by observing the following important notes: When installing the Terminal, it is highly recommended that unit be placed in a non-combustible area. (The environment surrounding these devices should not contain flammable materials such as curtains, carpeting, etc.)
If the installation for the telco equipment is not in an assigned electrical room, it is advised to avoid areas with dust, moisture, extreme environmental conditions, heavy traffic areas requiring rolling machinery, pipes used to transport water, fuel, and gases.
- 4.4 Avoid exposing the Terminal to chemicals or cleaning liquids, which could damage various plastic components within the device.

5.0 Installation Procedures:

Mount the Terminal to a surface using the supplied mounting screws or approved network standards screws.

5.1 Outside Plant Termination (Incoming/Stub):

Terminals with an incoming cable stub should be terminated as follows: Splice the outside plant (incoming) stub to the entrance cable. Cable pairs can be matched to the Terminal module field as per Table 1. Note: The cable stub is designed to swivel to the up or down direction.

5.2 Distribution Termination (Outgoing/Green):

Terminals with an outgoing 110 block should be terminated as follows: Refer to figure 1 for 110 block Terminal arrangements. The entrance cable should be routed through the wire retaining rings located on the side of the Terminal. The pairs should then be jumpered to the outgoing (green) field of the 110 blocks, using a 110-style tool such as Harris/Raycon D-814.

Caution: Do not use a screwdriver for attaching line pairs to 110 block terminals, as a screwdriver may spread the clip beams and result in a faulty connection.

6.0 Grounding:

The Terminal has two locations to attach a ground wire (located on the side or top face of the Terminal). A #6 AWG wire should be connected from one of the Terminal ground lugs to a local ground as per network standard methods. It should be noted that incorrect bonding, grounding or standards would result in terminal and protection module failure.

7.0 Terminal Module Installation:

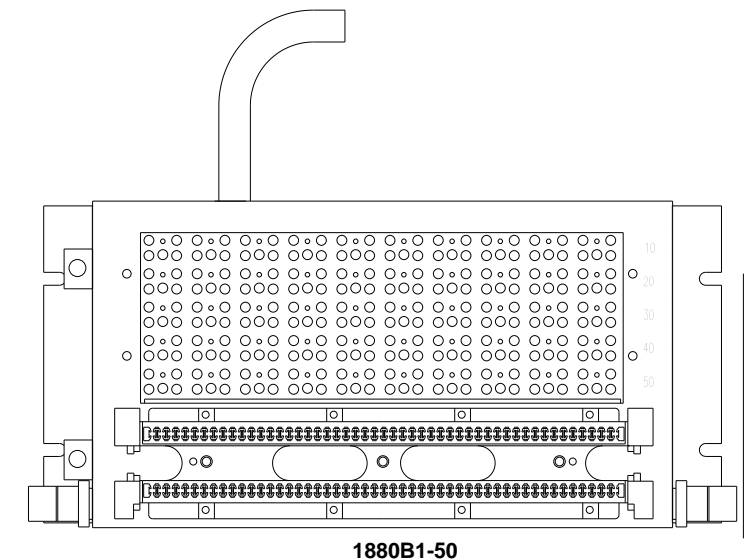
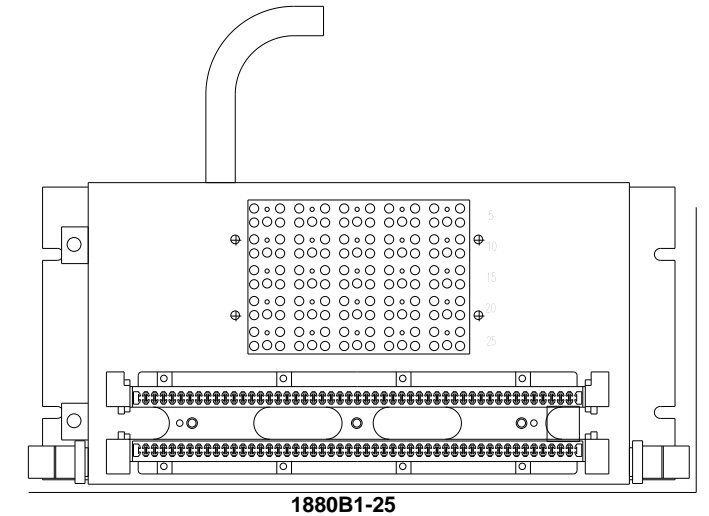
If the Terminal is purchased with the terminal modules installed they will be inserted in the terminal panel in the detent position. A distinctive "notch" in the three long pins of the module indicates the detent position. This will connect the incoming tip / ring as well as grounding circuits of the module.

Note: When the module is in detent position it will protect only the incoming (outside plant) cable. The module must be fully inserted to provide protection to both the central office and customer premise side of the installation.

- 7.1 After all incoming and outgoing connections are completed, fully insert the terminal module until the base of the module meets the terminal block. This will connect the customer premise (outgoing/green) side of the unit to the outside plant (incoming/stub) side of the unit.

- 7.2 Fully test all connections.

8.0 Terminal Diagrams:





**Building Entrance
Terminal**

1880B1-25 (24 and 26 AWG INPUT), 1880B1-50, 1880B1-100

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1.0 General:

The 1880 Series Building Entrance Terminals are double cross – connect field, indoor protection units designed for terminating outside plant cables. The 1880 Series BET’s are available in 6, 25, 50, or 100 pair counts with the option of 110 block in / 110 block out or cable stub in / 110 block out configurations.

1.1 Terminal Dimensions:

Model	Height	Width	Depth
1880B1-25	5.38in	10.75in	4.75in
1880B1-50	5.38in	10.75in	4.75in
1880B1-100	10.75in	10.75in	4.75in

1.2 Cable Requirements:

This BET is equipped with a 26 gauge fuse link; therefore it must only be spliced with 24 gauge or physically larger gauge C.O. feeder cable. This will ensure the highest operating conditions for the BET.
Only 1880B1-25 with 24 AWG INPUT needs to be spliced with 26 AWG or small cable.

2.0 Terminal Module Specifications:

The Terminal will accept any five-pin module of Western Electric design.
To maintain UL Listing, only UL Listed Terminal modules are to be used.

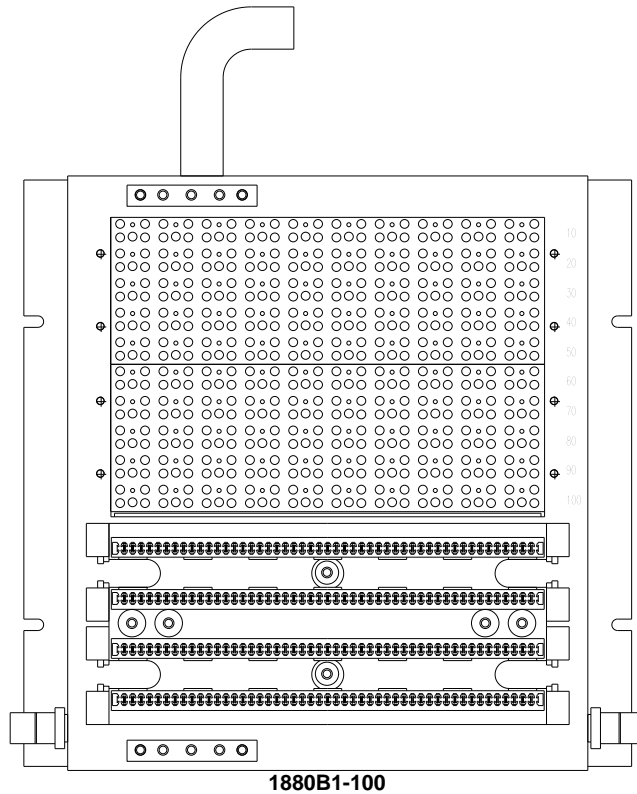
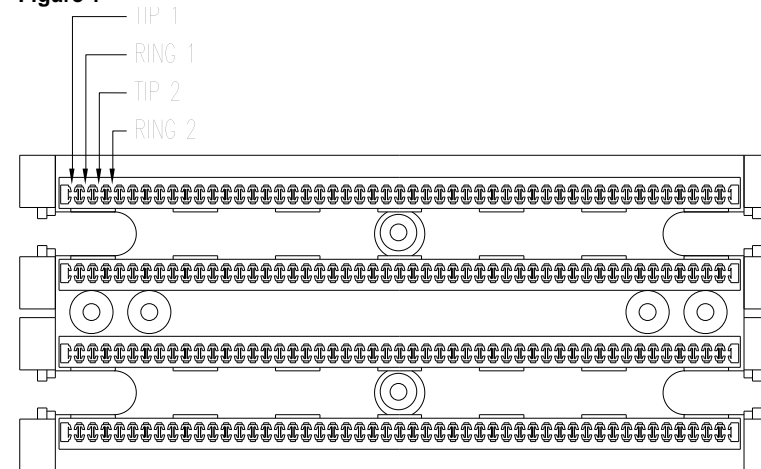


Table 1

CABLE PAIR GROUP	BINDER GROUP	CABLE PAIR SUB-GROUP	TIP WIRE COLOR	RING WIRE COLOR (FOR EACH TIP WIRE COLOR)
1-25	BLUE	1-5 6-10 11-15 16-20 21-25	WHITE RED BLACK YELLOW VIOLET	1 ST WIRE-BLUE 2 ND WIRE-ORANGE 3 RD WIRE-GREEN 4 TH WIRE-BROWN 5 TH WIRE-SLATE
26-50	ORANGE	26-30 31-35 36-40 41-45 46-50	WHITE RED BLACK YELLOW VIOLET	1 ST WIRE-BLUE 2 ND WIRE-ORANGE 3 RD WIRE-GREEN 4 TH WIRE-BROWN 5 TH WIRE-SLATE
51-75	GREEN	51-55 56-60 61-65 66-70 71-75	WHITE RED BLACK YELLOW VIOLET	1 ST WIRE-BLUE 2 ND WIRE-ORANGE 3 RD WIRE-GREEN 4 TH WIRE-BROWN 5 TH WIRE-SLATE
76-100	BROWN	76-80 81-85 86-90 91-95 96-100	WHITE RED BLACK YELLOW VIOLET	1 ST WIRE-BLUE 2 ND WIRE-ORANGE 3 RD WIRE-GREEN 4 TH WIRE-BROWN 5 TH WIRE-SLATE

Figure 1



Terminal shall be installed to the applicable requirements of the:
National Electrical Code, ANSI/NFPA 70(Article 800, Section C)
Canadian Electrical Code, Part 1 (Section 60)

TM91-0016

REV.05

CAUTION: Risk of electric shock
Terminal is not be used without the arrester assembly installed.

Important Note:

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