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.

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/Blue):**

Terminals with an incoming 110 blocks 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 incoming/blue field of the 110 blocks, using a 110-style tool such as the 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.

5.2 **Distribution Termination (Outgoing/Green):**

The procedure for terminating the distribution cable is the same as indicated in 5.1, except the outgoing/green field is to be terminated.

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 and grounding would result in terminal and protection module failure.

7.0 **Terminal Module Installation:**

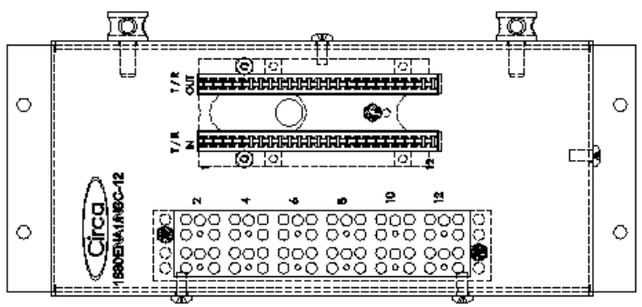
If the Terminal is purchased with the terminal modules installed they will be inserted in the terminal panel in the detent position. A distinctive "notch" in the three long pins of the module indicates the detent position. This will connect the incoming tip / ring as well as grounding circuits of the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

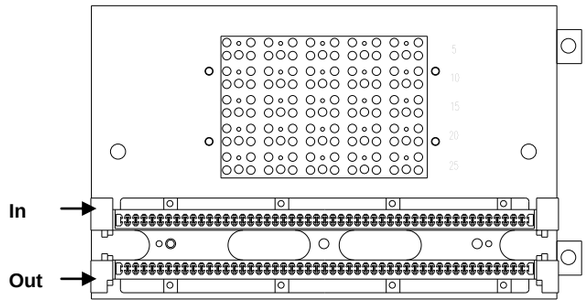
7.1 After all incoming and outgoing connections are completed; fully insert the terminal module until the base of the module meets the terminal block. This will connect the customer premise (outgoing/green) side of the unit to the outside plant (incoming/blue) side of the unit.

7.2 Fully test all connections.

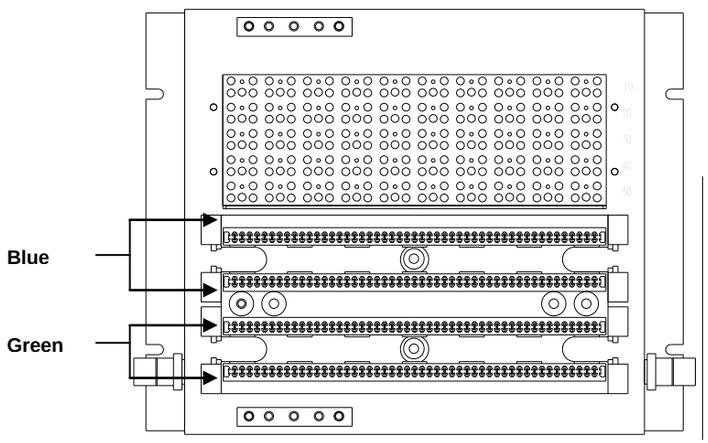
8.0 **Terminal Diagrams:**



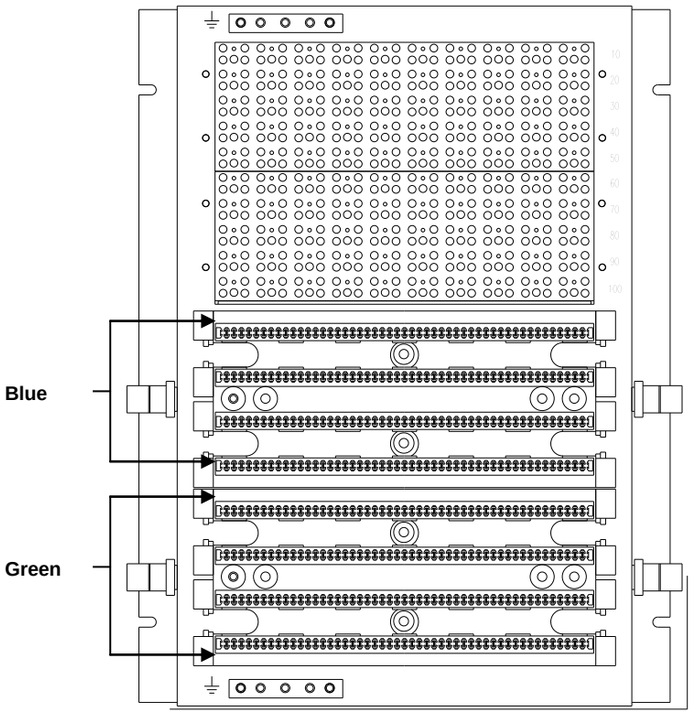
1880ENA1/NSC-12



1880ENA1/NSC-25



1880ENA1/NSC-50



1880ENA1/NSC-100

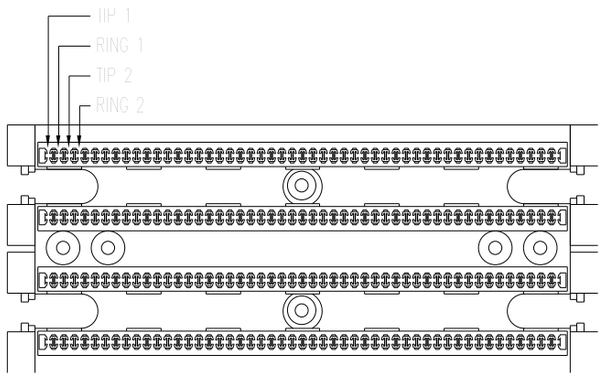
Important Note:

All statements, technical information and recommendations related to the Seller's products are based on information believed to be reliable, but the accuracy or completeness thereof is not guaranteed. Before utilizing the product, the user should determine the suitability of the product for its intended use. The user assumes all risks and liability whatsoever in connection with such use. Any statements or recommendations of the Seller that are not contained in the Seller 's current publications shall have no force or effect unless contained in an agreement signed by an authorized officer of the Seller. The statements contained herein are made in lieu of all warranties, express or implied, including but not limited to the implied warranties of merchantability and fitness for a particular purpose which warranties are hereby expressly disclaimed.
Seller shall not be liable to the user or any person under any legal theory, including but not limited to negligence or strict liability, for any injury or any direct or consequential damages sustained or incurred by reason of the use of any of the Seller's product that were defective.

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

TM91-0043

REV.04

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

Circa Enterprises Inc.

1880 SERIES
INSTALLATION PROCEDURE
(FOR INDOOR USE ONLY)

Building Entrance Terminal

1880ENA1/NSC-6, -12, -25 –50 and -100

CONTENTS: **PAGE**

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
1880ENA1/NSC-12	9.85in	4.0in	1.375in
1880ENA1-NSC-25	5.38in	8.5in	2.78in
1880ENA1/NSC-50	7.18in	10.75in	5.45in
1880ENA1/NSC-100	14.15in	10.75in	5.45in

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.

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.