

**INSTRUCTIONS FOR INSTALLATION OF CONDUIT
AND GROUNDING OF EQUIPMENT IN
NON-METALLIC ENCLOSURES**

INSTALLATION OF CONDUIT

1. **CONDUIT HOLES** – Cut holes in enclosure (when required) at the desired location. The use of a Greenlee cutter is the preferred method, placing the punch of the Greenlee Cutter on the inside of the enclosure and drawing the punch through to the outside.

Hub Size	Hole Size
1/2" DIA.	7/8" DIA.
3/4" DIA.	1 1/16" DIA.
1" DIA.	1 1/4" DIA.
1 1/4" DIA.	1 7/8" DIA.
1 3/4" DIA.	2" DIA.
2" DIA.	2 1/4" DIA.
2 1/2" DIA.	3" DIA.
3" DIA.	3 1/2" DIA.
3 3/4" DIA.	4 1/4" DIA.

2. **CONDUIT CONNECTIONS** (See illustrations below)

- a. **Metallic Conduit** – First secure the conduit connector (hub) onto the conduit. Then secure conduit connector (hub) into the prepared enclosure hole using the connector locknut. Then attach grounding bushing having the proper size ground wire lug over the connector locknut.

CAUTION: Bonding between the grounding bushings or between the grounding bushings and the equipment grounding terminal (when provided) must be included as part of the installation procedure in accordance with The Canadian Electrical Code.

- b. **Non-metallic Conduit** – Secure conduit to the conduit connector (hub) either before or after the conduit connector is secured into the prepared hole using the connector locknut.

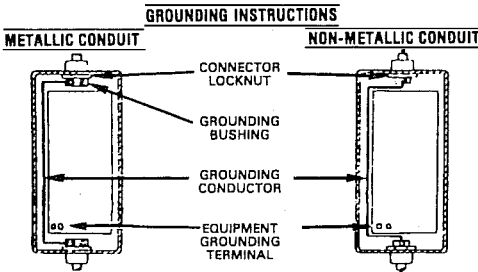
NOTE: Grounding bushing not required.

CAUTION: In order to prevent enclosure damage and to attain the enclosure requirements, the conduit should be aligned so as to prevent unnecessary stress on the enclosure walls.

In order to obtain maximum corrosion protection, cover (coat) all exposed metal and seal off the conduit openings where the conductors enter the enclosure.

3. **GROUNDING OF EQUIPMENT**

Install the grounding conductor in accordance with the requirements of the Canadian Electrical Code. See illustrations below when using either metallic or non-metallic conduit.



4. **DRAINAGE HOLE REQUIREMENTS FOR TYPE 2 AND 3R**

Cut hole in enclosure (when required) for accumulating water or snow that may enter the enclosure. The method of drainage shall be in a location that will provide adequate flow of water and will not allow water or condensate to drain into conduits. This drainage opening must be no less than 1/8 inch in diameter and no larger than 1/4 inch in diameter.