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# Bulletin 1300 Door Mount Programming Terminal

Cat. No. 1300 DMT/1300 EMT

## Installation Data

### General

This publication provides the information needed to install the Bulletin 1300 Door Mount Programming Terminal Kit for use with Bulletin 1395 and 1396 Drives. The dimensions and mounting procedures will be identical for both the Door Mount Terminal (DMT) and Enhanced Door Mount Terminal (EMT).

### Qualifications

This kit is intended for use by qualified service personnel who possess the necessary tools to perform cabinet metal cutting, drilling and welding.

### Applications

The Bulletin 1300 Programming Terminal is available in 4 different versions based on terminal type and the length of the cable as follows:

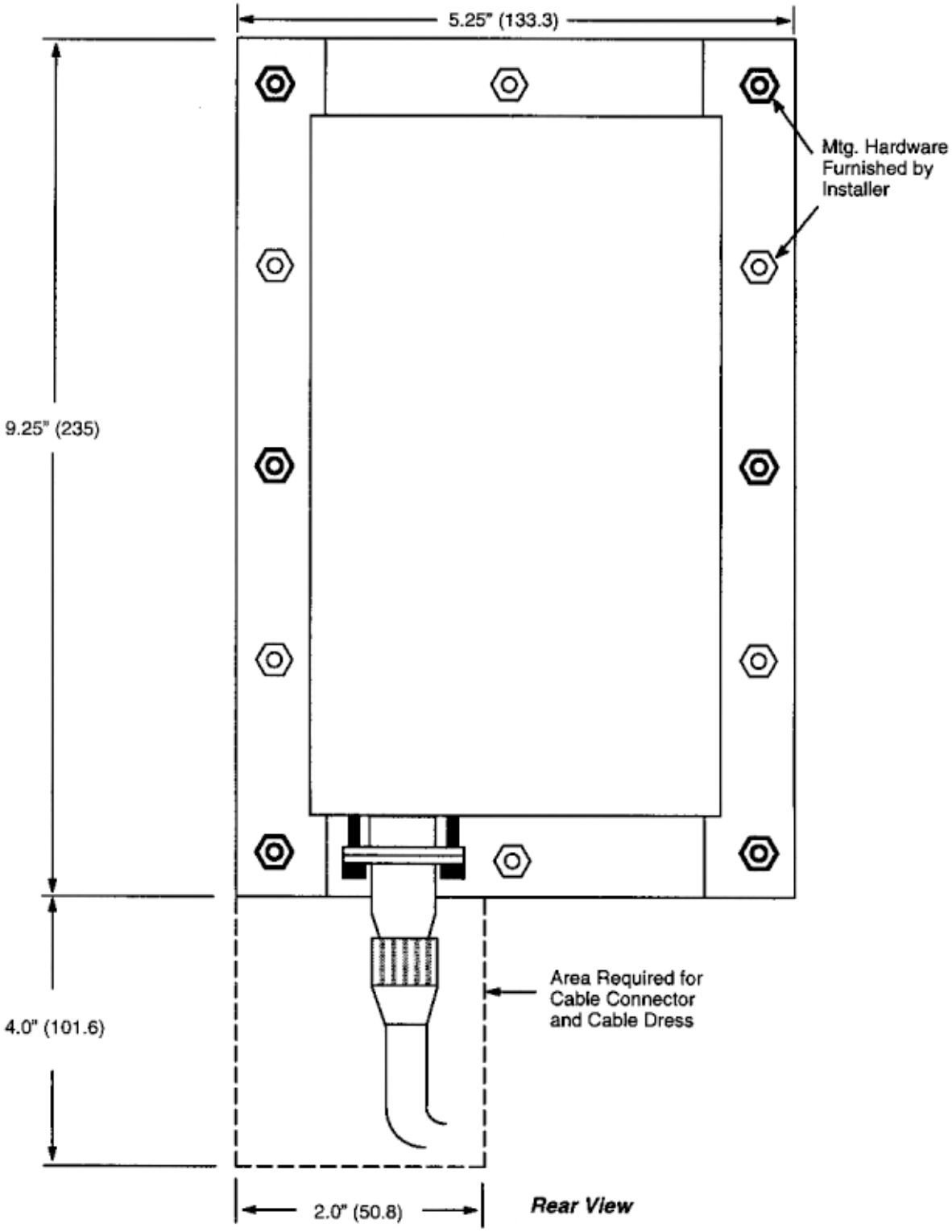
1. Catalog 1300–DMT10
   - Door Mount Bulletin 1300 Programming Terminal
   - Gasket
   - 10 Ft. Cable
   - Bezel
2. Catalog 1300–DMT20
   - Door Mount Bulletin 1300 Programming Terminal
   - Gasket
   - 20 Ft. Cable
   - Bezel
3. Catalog 1300–EMT10
   - Door Mount Bulletin 1300 Enhanced Programming Terminal
   - Gasket
   - 10 Ft. Cable
   - Bezel
4. Catalog 1300–EMT20
   - Door Mount Bulletin 1300 Enhanced Programming Terminal
   - Gasket
   - 20 Ft. Cable
   - Bezel

### Mounting Location

The Door Mount Terminal may be installed in almost any location in the cabinet door. It is recommended however that the DMT/EMT be installed near the center of the panel with sufficient clearance allowed for door actuators, gaskets and cable clearance (Figure 1).

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**Figure 1. Bulletin 1300 DMT/EMT Dimensions and Clearances**





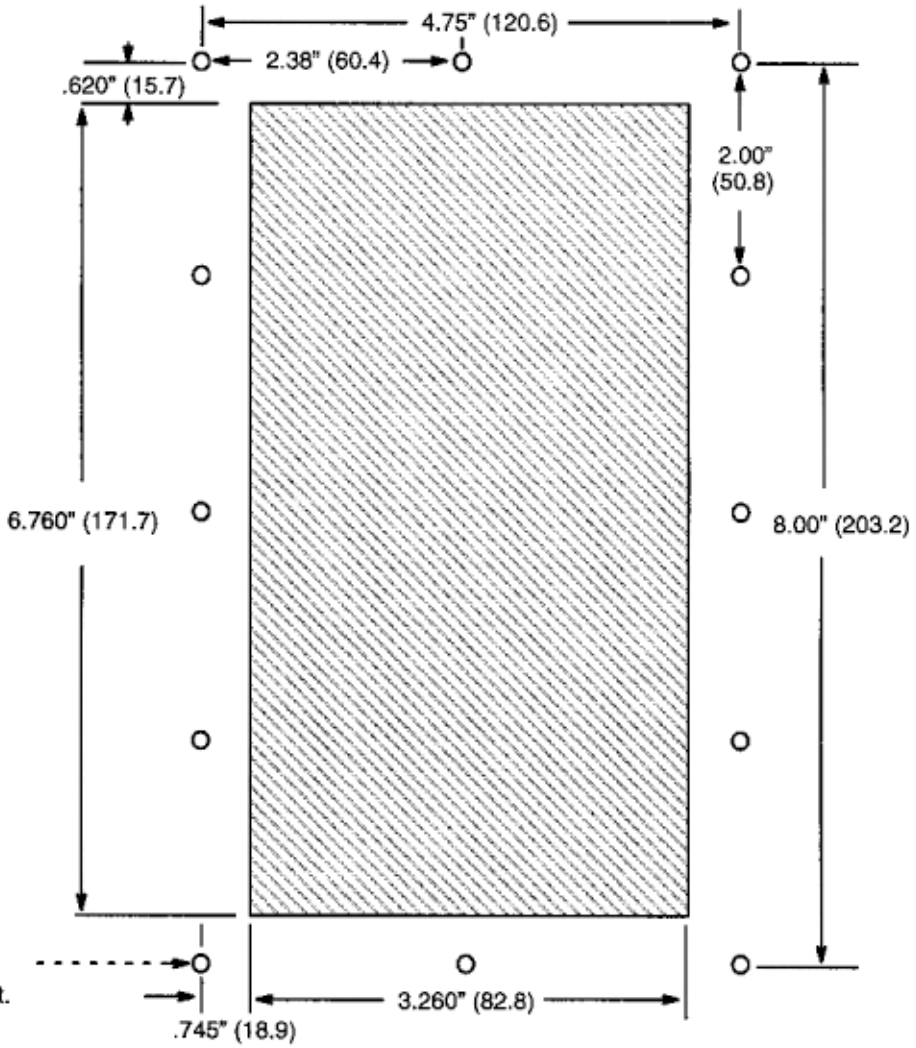

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## Installation Procedures

**Mounting Hardware** – The Bulletin 1300 DMT/EMT can be mounted using two different methods. If you do not wish to have exterior hardware such as screw heads on your door, the DMT/EMT must be mounted using weld–on PEM® studs in the positions shown in Figure 2. If the weld–on method is not preferred, the DMT can be mounted by drilling .166" (4.21) diameter holes and using #6 screws to fasten the DMT in place. Factory installed DMT/EMT panels use 12 weld–on studs for mounting. A minimum of six weld–on studs or six #6 screws must be used to mount the panel (see highlighted fasteners in Figure 1 for the minimum requirement locations). If the DMT/EMT is being retrofitted in an existing unit, the drive unit must be removed from the cabinet before performing drilling or welding operations.

**CAUTION:** Do Not remove the 12 rubber grommets that are installed in each of the 12 mounting holes of the DMT or EMT. These grommets are necessary in the final assembly to provide electrical isolation between the DMT/ EMT Metal Case and the sheet metal enclosure. The DMT/EMT Metal Case is grounded through a separate conductor in the cable.

**Figure 2. Bulletin 1300 DMT Cutout and Mounting Dimensions**






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**Cutout –** When cutting the opening for the DMT/EMT, the dimensions (Fig.2) must be exact to ±.005" (0.127) as the trim bezel is an interference fit. An oversized opening would result in a loose fit for the trim bezel. After the hole is cut and all drilling has occurred, make certain that all holes are deburred before beginning the assembly.

**Gasket Installation –** Before mounting the DMT/EMT assembly to the cabinet door, the isolation gasket must be positioned on the front side of the DMT. Remove the protective paper from the gasket to expose the adhesive. Align the gasket carefully, so it doesn't cover any of the terminal face and all holes align with those on the housing before pressing it into place.

**DMT Installation –** Install the DMT/EMT housing and gasket assembly onto the customer supplied studs or screws in the door. Tighten the mounting hardware so that the gasket is slightly compressed, but not crushed. Snap the trim bezel into place on front side of the door.

**Cable Installation –** The cable supplied with the DMT is a special interconnect that features EMI filter cores on both ends. Substituting other cables for this unit is not permitted. The socket side of the cable interfaces with the DMT/EMT, and the pin side installs in the Drive at the connector marked DHT. Route the cable using cable ties or fasteners so that the cable doesn't interfere with door actuators or components in the drive.


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