Overview

This guide pertains to the MET-13X Metreau 13-Button Ethernet Expansion Keypad (**FG5793-12**). The purpose of this document is to illustrate how the device is to be installed and set up in its simplest configuration by a trained technician.

Environmental Requirements

The environmental requirements for the MET-13X are as follows:

- **Operating Temperature**: 32° F (0° C) to 104° F (40° C)
- **Relative Humidity**: 5% to 85% RH

NOTE: Intended for indoor use only.

Dimensions

HWD: 4 11/16" x 6" x 1" (119mm x 152.5mm x 26mm)

Weight

Approximately 0.35 lbs. (0.16 kg)

Power

The MET-13X receives power from the Metreau Ethernet Keypad it is connected to via the 10-conductor ribbon cable on the expansion keypad. Compatible Ethernet keypads include the MET-6NE, MET-7E, and MET-13E.

Removing Buttons

The easiest way to remove and replace buttons on the keypad is to place the keypad assembly face-down on a flat level surface, so that the buttons stay in position until you are ready to remove them.

NOTE: Disconnect the power supply and all wiring connections before removing/ replacing buttons on the keypad.

NOTE: Before touching the device, discharge the static electricity from your body by touching a grounded metal object.

1. The faceplate is attached to the mounting plate via four plastic tabs (two on each side of the faceplate). To remove the faceplate, gently pry it from either side.
2. Gently lift each button off of their mounting posts on the circuit board.
3. Select the location of the custom buttons and gently snap them into place on the circuit board. Be sure to note the orientation of the LED window on each button, to avoid accidentally mounting them upside down.
4. Reattach the plastic faceplate.

Mounting Options

Mounts onto standard single gang US or EU back boxes.

- Each type of back box must adhere to its own specific safety approvals.
- Minimum internal clearance of (HWD) 2 5/8" x 1 3/4" x 1 5/8" (66.68mm x 44.45mm x 41.28mm)

NOTE: Before touching the device, discharge the static electricity from your body by touching a grounded metal object.

Back Box Mounting

1. Use the cutout dimension for the back box to cutout the install surface.
2. Connect the ribbon cable on the expansion keypad to the expansion cable connector on the rear of the Ethernet keypad (see FIG. 1).
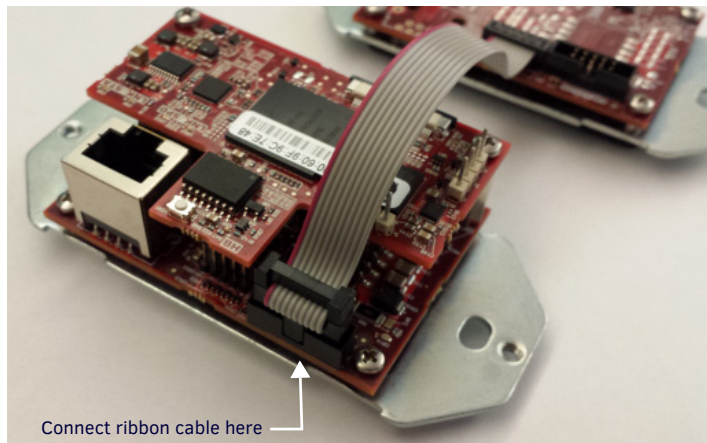

Connect ribbon cable here

FIG. 1 DAISY-CHAIN CONNECTION BETWEEN THE MET-13X AND AN ETHERNET KEYPAD

NOTE: When the ribbon cable is connected, touching or moving the ribbon cable can cause a temporary disruption in communication causing the keypads to temporarily go offline and return to service within 25-45 seconds of the initial outset. Once the keypads are mounted and the ribbon cable is stable, no disruptions should occur.

3. Place the mounting plate on the back box. Align the screw holes with the mounting holes and fasten the Mounting Plate to the back box using the supplied screws.

NOTE: If you are installing a single expansion keypad into a 3-gang back box, install the expansion keypad in the space immediately adjacent to the primary Ethernet keypad (see FIG. 2). Daisy-chaining is supported across a distance of 4" (101.6 mm).
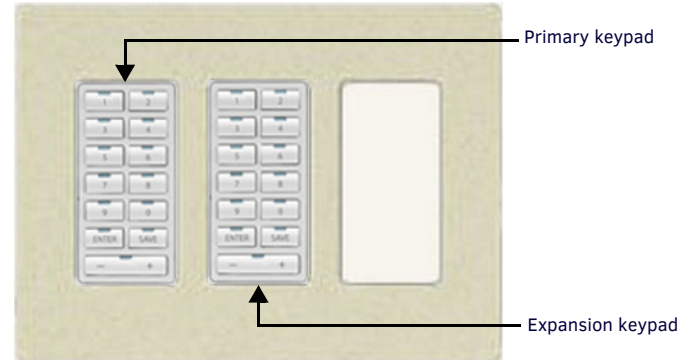

Primary keypad

Expansion keypad

FIG. 2 INSTALL THE KEYPADS IMMEDIATELY ADJACENT TO EACH OTHER IN A 3-GANG BACK BOX

Configuration

Expansion keypads do not appear as separate NetLinx devices. They appear as extra ports on the main Ethernet keypad. The main Ethernet keypad is port 1. The expansion keypad is port 2. An additional expansion keypad is port 3.

Additional Documentation

Additional documentation for this device is available at *www.amx.com*. Refer to the *Metreau Keypads Instruction Manual* for additional details on installing, connecting, and configuring the MET-13X.

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