

M832 CLIPPERNET COMMUNICATION MODULE INSTALLATION AND OPERATING INSTRUCTIONS

CAUTION: BEFORE INSTALLING OR REMOVING ACCESSORY MODULES, DISCONNECT POWER FROM THE SOLIDYNE CONTROLLER WHICH YOU ARE USING. FAILURE TO REMOVE POWER WILL RESULT IN DAMAGE TO THE CONTROLLER.

DESCRIPTION

The M832 communication module is designed for use only with Clipper controllers equipped for networking. The module provides the interface between each Clipper controller and the ClipperNet communications bus. The M832 remote communications module is installed inside the controller section of the CLIPPER system.

SPECIFICATIONS

Model number: 00-M832

Operating temperature: 0°F to 150°F

Shipping/storage temperature: -40°F to 160°F

Dimensions: 3.00 x .375 x .938 inches

INSTALLATION

- Make sure you remove power from the CLIPPER controller before beginning installation.

Module Installation

1. Unlock and swing open the controller's outer door, exposing the front panel.
2. In the center of the front panel is a green plastic screw. Separate the CLIPPER baseplate from the controller section by turning this screw counter-clockwise. The screw is held captive by a retaining washer at the back of the controller section, so it will not fall out after the baseplate is separated.

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3. Open the controller section by first removing the retaining washer from the back of the green plastic screw. This will allow you to pull the screw completely out of the panel. Notice that the front panel is very loosely hinged at the top of the controller by a simple pin and slot arrangement. This means that the panel can very easily loosen from the main body of the controller and care must be taken in swinging the panel open.

4. After swinging open the front panel, you will see two circuit boards, one attached to the front panel, and one attached to the back of the main controller section. The circuit board on the front panel is called the "logic" board and the circuit board attached to the back of the controller section is called the "power supply" board. You will also see a flat gray cable connecting these two boards. You must make sure that this cable remains properly seated in the connectors on both boards throughout the installation.

If you look closely at the power supply board, you will see a straight, single-row ten position female connector labeled "Communication Module Plug-in" near the lower left-hand corner of the board. The M832 module has a corresponding male connector recessed in one of its sides. The M832 module can be plugged into the power supply board connector when oriented in only one direction, so it is not possible to install the module in the wrong direction.

5. Carefully seat the M832 module onto the power supply board connector. The bottom of the module should nearly touch the surface of the power supply board.

6. Carefully swing the front panel closed and reinsert the green plastic screw. Replace the retaining washer on the screw, so that the screw is once again held captive.

The M832 module is now installed.

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Wiring the Clipper controller to the network

Once the M832 module is installed, the Clipper controller may be wired into the ClipperNet network.

The network communications path, called the "bus", consists of two 18 gauge wires, one designated "+" and one designated "-". It is extremely important not to switch these wire polarities at any point in the network.

The Clipper controller is wired into the network by connecting the baseplate terminal marked **MODEM/HHT COM** to the "-" bus wire and wiring both the baseplate terminal marked **MODEM XMT** and the terminal marked **MODEM RCV** to the "+" bus wire.

The distance from any Clipper controller to the master interface module (M801 or M802) on the network must not be more than 1000 feet.