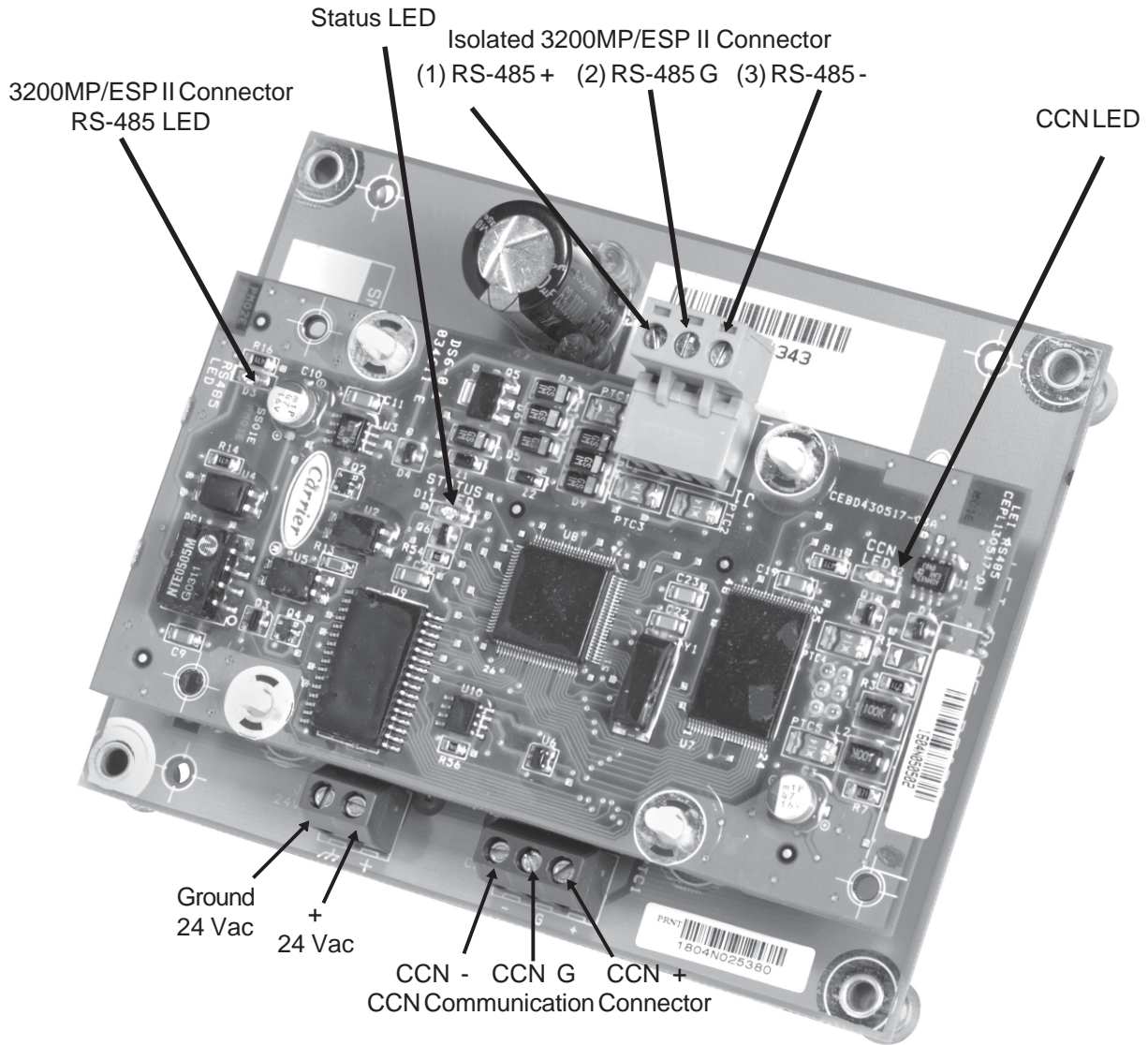


32MP Gateway II Installation Instructions

The 32MP Gateway II (32MP GWII) module with RS-485 serial communication (33CN32MPGW), shown below, is a microcontroller-based module that provides the ability to easily interface Carrier CCN controllers to Carrier chillers equipped with a 3200MP Expanded Services Panel (ESP II). The 32MP Gateway II provides CCN to 3200MP ESP II protocol conversion.

Figure 1
32MP Gateway II Module




Installation Procedure

1. Install the 32MP GWII printed circuit board into the equipment's controls enclosure and secure it by inserting 4 sheet metal screws through the board's integrated standoffs.
2. Connect a field supplied 24 Vac (3 VA minimum) transformer to the power connector.

Note 1: The power can be shared with a single CCN controller's 24 Vac transformer provided that you ensure there is sufficient VA available on the existing transformer. The 32MP GWII provides an isolated communications port that allows for power sharing with one other Carrier CCN controller that utilizes 24 Vac. When sharing power, make sure that the polarity of the power wires into the 32MP GWII (24 Vac + and Ground) are the same as at the source controller.

Note 2: It is recommended that you provide a means to cycle power to the 32MP GWII without disconnecting wires.

Table 1
Power Connector
Terminal Assignment

32MP GWII Connector	Signal
+	Supply Hot
	Supply Common

3. The default address is 0,85. If the CCN network consists solely of this Carrier 32MP GWII and its associated 3200MP/ESP II, wire the 32MP GWII's non-removable CCN communication connector to the CCN bus.

If the CCN network consists of multiple Carrier 32MP GWIIs and multiple CCN controllers, wire the CCN communication bus in accordance with all CCN network standards and address the 32MP GWII's appropriately.

Table 2
32MP GW II
CCN Communication Bus Connections

Non-Removable CCN Communication Connector to Other CCN System Elements

Term#	Color	Description
1	Red	CCN +
2	White	CCN G
3	Black	CCN -

Note: Connect shield of inbound cable to shield of outbound cable.

- Wire the 3200MP GWII's 3200MP/ESP II Panel connector to the 3200MP ESP at Terminals 25, 26, and 7. See Figure 2.

Figure 2

Connections at 3200MP ESP

NOTE: Terminals may not appear in the order shown

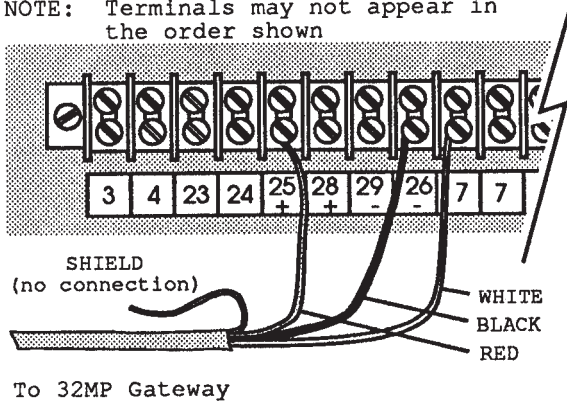


Table 3

3200MP ESP Connections

32MP GWII's 3200MP/ESP II Connector to 3200MP ESP

Term#	Color	Description	3200MP Chiller Term#
1	Red	+	25
2	White	G	7
3	Black	-	26

Note: Connect shield to chassis at Gateway Only.