

HAI TECHNICAL UPDATES

"OmniPro Version 1.6 Firmware Release"

ADD THIS DOCUMENT TO YOUR OMNIPRO OWNER'S MANUAL DESCRIPTION

The Version 1.6 firmware adds the following new features to OmniPro automation controllers:

- Supports direct lighting level control using the X-10 preset dim command
- Added an additional 64 text messages that are accessible through program control
- Supports the Pro-Link serial protocol
- Ability to "Send" and "Receive" text messages over the serial interface using Pro-Link
- Ability to "Clear All Messages" by area

LIGHTING LEVEL

To enter the control menu, from the top-level display or from the main menu, press the 1 (CONTROL) key on the console keypad. OmniPro will automatically display the first named item in that list. The down arrow key can then be used to scroll through the list and the '#' key is used to select the item. If the specific item number is known, enter the item number followed by the '#' key, or scroll up and down among the named items.

After the unit has been selected, press the '#' key. The console will display:

Porch Light (Unit Name)

0=OFF 1=ON 2=DIM 3=BRT

Porch Light (Unit Name)

4=LVL 9=TIM #=STA

Press the 4 key to set the desired lighting level of the specified unit.

Enter a number (0-100) to indicate the lighting level (intensity) of the unit.

LIGHTING LEVEL:

0-100%

0 = No Light

50 = Light to half intensity

100 = Light to full intensity

The console will beep and the lighting level will be adjusted.

The top line of the console display will read:

Porch Light LVL 65

ADDITIONAL TEXT MESSAGES

The number of text messages has been increased from 64 to 128. Messages 65 to 128 are only accessible through program control. They cannot be shown, logged, cleared, or sent through the main menu message command.

Messages 64 to 128 will normally be used for Pro-Link functions, but if desired they can be programmed to be shown, logged, or cleared. When shown, they will appear on all consoles in all areas. They can be acknowledged by a console in any area, but they cannot be cleared except by a programmed clear command.

SEND MESSAGE COMMAND

The Message Menu has been expanded to add the 4 (SEND) command.

To enter the Message menu, from the top-level display or from the main menu, press the 8 (MESSAGE) key on the console keypad.

MESSAGE

1=SHOW 2=LOG 3=CLEAR

4=SEND

The 4 (SEND) key allows you to send any of the 128 text messages through the Pro-Link serial port. You are first prompted to specify the desired serial port.

SERIAL PORT:

1-2

The serial interface module with the lowest expander address is assigned to serial port 1. Serial port 2 will be the next higher addressed serial interface module.

Next, select the message to be sent. You may enter the message number followed by the ' #' key to send that message, or simply press the down arrow key to scroll through a list of messages. Press the ' #' key to send the selected message:

MSGNAME

ENTER MESSAGE: -

The message is sent out through the specified Pro-Link port exactly as the message was entered in **Setup / Names / Message**.

Carriage returns and line feed characters are not automatically appended to the end. To send ASCII control as part to the message, use the caret "^" character in the message. This character specifies that the next character is to be interpreted as an ASCII control character, such as "^M" to represent a carriage return.

Other useful sequences would be "^J" for a line feed character and "^G" for a bell character. To include an actual "^" character in the message, enter it twice as in "^ ^".

Each message can be up to 15 characters long. To send a longer message, simply program two messages to be sent one after the other.

RECEIVE MESSAGE ACTIVATED BUTTON

The When Button Program menu has been expanded to add the 8 (MSG) button.

Pro-Link also has the capability to monitor the serial port for incoming text messages. When a text message is

received, Pro-Link searches through all 128 messages for a matching message. If one is found, the Program Command (macro) corresponding to the matching message is activated.

From the Edit Program When menu, press the 2 (BUTTON) key to set up a program to be activated when a particular button is run or a particular event occurs. The user is prompted to specify the button/event that activates the program:

BUTTON:

ENTER BUTTON #=MENU ^

Pressing the ' #' key first will bring up a menu of button types:

BUTTON TYPE

1=CTRL 2=SEC 3=ZONE ^

4=ALL 5=ALARM 6=X-10

7=MISC 8=MSG

Pressing the 8 (MSG) key allows you to select the button for a "receive message" activated event. You are prompted to enter the desired message:

MESSAGE:

ENTER MESSAGE ^

The message may be entered by entering the message number followed by the ' #' key or by using the arrow keys to scroll through the list of messages.

Pro-Link determines that a message has been received when:

- One or more characters have been received followed by 100 ms of silence
- One or more characters followed by a carriage return character are received
- One or more characters followed by a line feed character are received

It is not necessary to enter the terminating carriage return or line feed character as part of the message name.

CLEAR ALL MESSAGES BY AREA

It is now possible to program an area for a "clear all messages" command. When selecting the "clear all messages" command, if more than one area is being used, you will be prompted to specify the area.

The console will display:

CLEAR ALL MESSAGES

or

CLEAR ALL MESSAGES [A1]