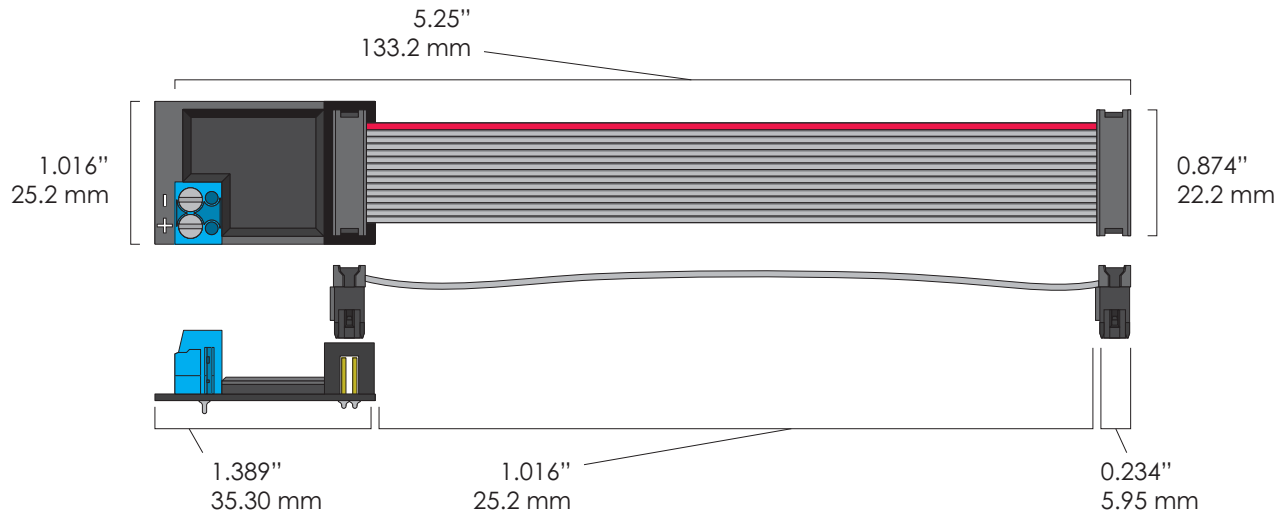


HBX WMC-0100 INTERFACE MODULE

INTRODUCTION

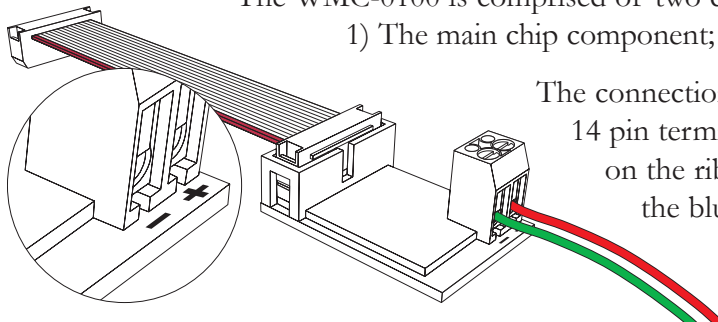
The HBX interface module is designed for a variety of modulating boilers. The WMC-0100 may be used in unison with the MOD-0100 modules (or with other manufacturers modulating controls) to convert a 1-10vdc signal to digital output.



In addition to mounting and wiring the WMC module to each boiler operated by the multiple boiler controller, you will need to program the Control Module of each boiler to accept a 0-10 vdc input signal, as described in the installation procedure instructions.

The WMC-0100 is comprised of two components;

- 1) The main chip component; and 2) The ribbon cable with two connections.



The connections on the ribbon cable are keyed to fit into the 14 pin terminal in only a single direction. The red segment on the ribbon cable should be on the opposite side of the blue wire terminal on the main chip.

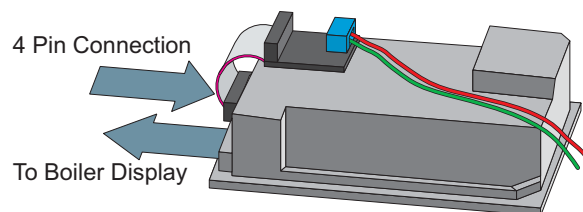


Only suitably qualified individuals with formal training in electrical and HVAC controls should attempt the installation of this equipment. Incorrect wiring and installation will affect the warranty provided with this unit. Wiring must be completed in accordance with the codes and practices applicable to the jurisdiction for the actual installation.

INSTALLATION PROCEDURE

The WMC-0100 contains an adhesive strip on the underside of the main chip component. At the time of installation remove the protective paper on the adhesive strip and attach the module to the main control board within 3.5" of the top left hand ribbon cable connection.

If the modulating boiler is being controlled by an HBX Control, see the CPU-1000 and MOD-0100 manuals for further programming instructions.



Programming Setup

1. You must program the Control Module to accept an external control signal.



Refrain from altering any settings other than the steps covered in this manual. Adjusting additional settings on the Control Module may result in undesired results, or general failure of the device.

2. Once the WMC has been installed onto the boiler, complete the following steps within the code mode of the Control Module;
 - a. In unison, hold the STEP and MODE buttons for approximately two seconds. Once the screen displays CODE, release both buttons.
 - b. Next press the STEP button a single time. The screen will now display C followed by two random numbers. Press the + and - keys to adjust the number following C to 05 so that the display now reads C-05.



Pressing the + and - keys will incrementally adjust the number by one, holding the + and - keys will quickly scroll through the numbers.

- c. Once you have set the screen to read C-05, press the STORE button again to proceed to the next step.
3. Next select parameter mode by pressing the MODE button until the display reads "Parameter".
 - a. Next press the STEP button continuously until the screen displays "P 34".
 - b. Wait two seconds once the display reads "P 34", the screen reading will show the selected value for parameter 34, use the + and - keys to adjust the two right hand numbers to read 04.
 - c. Press the STORE button to key in the changes to code mode, press the RESET button to exit