

EHU-703/704 New Circuit Board Installation Instructions

Please read the following instructions carefully, if you have any questions, please call Armstrong International 1-269-273-1415 and ask for the HVAC Department.

Prior to the installation of this new enhanced circuit board, please be aware that there are some differences between your old board and the new board. These changes enable your humidifier to power and accept a control signal from a broader variety of Humidistats.

In brief, the changes are as follows:

Berg Jumpers:

BJ-1	Capacity Step	Unchanged
BJ-2	Signal Ground	Unchanged
BJ-3	Tank Selector	Unchanged
BJ-4	Stat Input Signal	Changed See Label (#B5481)
BJ-5	Stat Voltage Source	New-See Label (#B5481)

Terminal #17 on the Low Voltage Terminal Block (LVTB) was +5VDC when used with the original circuit board. Using the new circuit board, this terminal becomes the power source for the humidistat being used, and is set by "Berg Jumper" "BJ5". For the original standard Armstrong Humidistat (1.9-3.9VDC control signal) BJ5 should be set to pins 5&6 12VAC. (SEE NEW CONTROL CIRCUIT LABEL #B5483)

Terminal #1 on the LVTB was, and is, the control signal from the controller/humidistat, this is set by "BJ4" **PLEASE NOTE THE PIN #'S ON BJ4 HAVE CHANGED.** For the original standard Armstrong Humidistat (1.9-3.9VDC control signal) BJ4 should be set to pins 7&8 (SEE NEW BERG JUMPER LABEL #B5481).

Terminal #20 was 12VAC source for the original standard Armstrong Humidistat. This terminal is not used with the new board, as this voltage source is set by "BJ5" and is now powered through terminal #17.

All other LVTB terminals are unchanged.

Please install the following:

New "BERG JUMPER" label (#B5481) over existing "BERG JUMPER" label.
New "CONTROL CIRCUIT" label (#B5483) over existing "CONTROL CIRCUIT" label.
New Door Schematic label over the existing Schematic label sticker on the door of the unit, (#D2927) for 3-Phase EHU-703 units, (#D2929) for 1-Phase EHU-703 units, (#D2930) for 3-Phase EHU-704 units, (#D2932) for 1-Phase EHU-704 units

Refer to the enclosed "NEW" IOM (Bulletin#527-C) Page 10 for Humidistat/Controller wiring diagrams.