



AES Technical Bulletin

PLACEMENT OF TRI-MODE MODULE CHIP (TMC)

Product models covered: Magnum Baby Countryside Models BC-AC, BC-DC & Winchester Models WIN-ACP, WIN-ACI, WIN-DCP, and WIN-DCI.

Product models: Model RP2007 AC digital board, Model RP2004DC3 digital board, Model RP2015 DC digital board. (See Figure A)

Topic: This technical bulletin will be addressing the placement of the Tri-mode Module Chip (TMC) and what the factory default settings are so that normal operation can be resumed.

Depending on the product model and also on the feed rate that you need for the home, you can place the tri-mode module chip in one of three locations. **NOTE: THE POWER MUST BE DISCONNECTED BEFORE MOVING THE CHIP. Be careful not to lose the black chip when moving from one pin location to the other. Make sure that the chip is placed properly on each pin before pushing onto the pin.**

The Tri-Mode Module chip is located on the top left side of the control board (looking at the board from the back.) (See Figure A)

There are (4) four silver colored pins coming out of a black plastic block that will have a black plastic jumper placed over (2) two of the pins. This is the Tri-Mode Chip (TMC).

The pins are not numbered on the control board. Looking at the pins, from left to right, consider the first pin on the left, as pin 1 and so on. (Pin 4 is the furthest pin to the right).

- ◆ The TMC needs to be placed over the **2&3** pins for the Magnum Winchester (WIN-ACP & WIN-DCP, factory default setting for wood pellets) and Winchester Insert, models (WIN-ACI & WIN-DCI, factory default setting for wood pellets) T40 & Essex models. **This is the highest feed rate module.**
- ◆ The TMC needs to be placed over the **3 & 4** pins for the Magnum Baby Countryside models (BC-AC & BC-DC, factory default setting). **This is the lowest feed rate module.**
- ◆ The TMC needs to be placed over the **1 & 2** pins for the Magnum Baby Countryside models (BC-AC & BC-DC, factory default setting for wood pellets) if you are burning wood pellets only and need a little more heat. **This is the middle feed rate module.** This module can also be used for the Magnum T40 & Essex if the unit is placed in a smaller room.
- ◆ The Magnum Baby Countryside (BC-AC & BC-DC) **cannot** be operated with the TMC placed in the **2 & 3** pin modules. The Magnum T40 & Essex can be operated in any of the 3 modules that fit the heating requirements.

A jumper must always be on 2 pins at all times. If you fail to reinstall the jumper on the pins, the unit will act erratically.

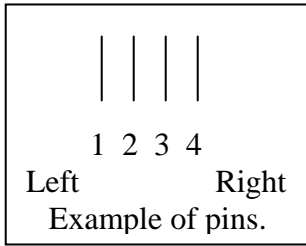


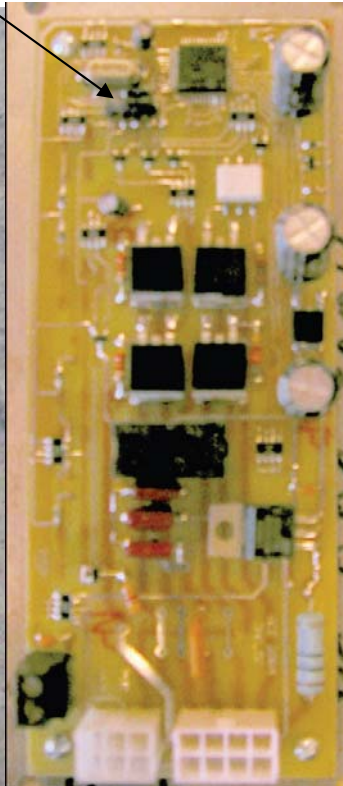
Figure A
Chip Locations



RP2007



RP2015



RP2004DC3