



BCU 370 Installation Notes:

1. If burner start switch (call for heat) is to remain in limit circuit, jumper BCU terminals 21 to 24. If the burner start switch is to be commanded separately, wire the switch to BCU terminal 21.
2. External ignition transformers are to be wired to terminal 16. The transformer is pre-wired when the BCU370 is ordered with an integral ignition transformer.
3. If UV is used, a Kromschroder UV scanner must be used for proper BCU operation.
4. Use BCU 370 output pin 4 if burner is direct-spark ignited (there is no pilot). Use output 5 and 6 for piloted burners with the pilot on output 5 and the main on output 6. Adjust pilot and main burner timing via parameters 12, 13, 14 and 15.
5. Move high gas pressure switch and low gas pressure switch if desired. Refer to system schematic supplied with original equipment.
6. The BCU370 is designed for all three flame detection methods: Flame rod, UV, and UV self check. Wire The BCU according to desired detection method.
7. If blocking valve is to be wired independent of the main fuel valve and pilot valve, the valve can be wired on BCU terminal 4. If not, wire both the blocking valve and the main valve to terminal 6.
8. Set pilot flame establishing period using BCU parameters 12 and 13.
9. Adjustments can be made for the Delayed Valve using BCU parameters 14 and 15.
10. A low voltage relay is required to isolate the low voltage control unit (UVM-1 T terminals).
11. If the existing M series controller is implemented with relight, configure the BCU for relight after flame fail (after flame proving period) if relight operation is required (BCU parameter 8).
12. Follow flame detector wiring practices for the BCU.

