Installation Instructions

1. Write down boiler plant location:_____

2. Select unique MODBUS Addresses (between 1-20) for each boiler.
   (NOTE: **the Master Boiler must have the lowest MODBUS Address**.)
   Record these addresses and associated Serial Numbers:
   a. MODBUS Address: _____SN: _____
   b. MODBUS Address: _____SN: _____
   c. MODBUS Address: _____SN: _____
   d. MODBUS Address: _____SN: _____

3. At the boiler keypad, do the following:
   a. Press "Enter" (the right-most button on the red square) until "System" is displayed.
   b. Press again until "Set" is displayed.
   c. Press the down arrow repeatedly until "CUSTOMER" is displayed.
   d. Press "Enter".
   e. Press the down arrow until "-7" is displayed.
   f. Press "Enter"
   g. Press the "Back" (left-most button on the red square) until nothing changes. You are now at the top level, ready to make the necessary changes.
   h. Press "Enter" to get to "System"
   i. Press "Enter" to get to "Set"
   j. Press "Enter"
   k. Scroll Down to "General Settings", then press "Enter"
   l. **Scroll down to "Send a line break when ASCII data output on COM2," set to "NO," press "Enter," then "Back."**
   m. **Scroll down to "COM2 is used as MODBUS Interface," set to "YES," press "Enter."**
   n. **Enter Modbus Address as chosen above.**
      (*Recommendation: label each boiler clearly with its ID.*)
   o. **Set: "MODBUS protocol (1 - RTU / 2 – ASCII)" = 1, press "Enter,"** then "Back" repeatedly until nothing changes.

4. Connect adapter(s) provided to COM2 port on boiler(s).

5. If more than one boiler is to be monitored, run segments of 3-wire cable (Cat5 is fine, too) from boiler 1 to boiler 2, *etc.*, connecting terminal A (or +) on Boiler 1 adapter to terminal A (+) on Boiler 2 adapter, *etc.*

6. Do the same to connect all terminals marked B (-). (It is most reliable to use a twisted pair of wires for the A and B connections.)

7. Do the same to connect all terminals marked G (ground).

8. Mount the BoilerScope™ near the Ethernet Switch or Router. **Do not plug power in yet.**

9. Run another 3-wire cable from the adapter on any boiler to the BoilerScope™.
    a. Connect the A (+) terminal wire to: "+" on the BoilerScope™.
    b. Connect the B (-) terminal wire to: "–" on the BoilerScope™.
    c. Connect the G terminal wire to: "0V" on the BoilerScope™.

10. Connect BoilerScope™ to Switch/Router with Ethernet cable provided.

11. Power ON the boiler(s) if not already on.

12. Connect power supply to BoilerScope™.

13. If you power on the BoilerScope™ before all boilers are fully configured, wired and turned on, you will need to reset the BoilerScope™ by pressing the reset button on the right side of the device.

14. The indicator light will flash slowly during initialization, then glow continuously after successful initialization.

15. Email this form to techsupport@dcmlogic.com. You can download a copy of this form (with data saving privileges) at www.dcmlogic.com/dealers