



Model TR60

Communicating Thermostat With RS485 Serial Communications

QUICK START GUIDE

This quick start guide provides basic connection information.

The CD included with this product contains the following documentation and programs:

- TR60 Installation and Operations Manuals
- Serial Communications Protocol Manual
- Thermostat Control Program (TCP)
- TCP Users Manual

Read these documents before attempting to install or use this product and before calling for technical support.

Additional information may be available at the RCS website: www.resconsys.com

TR60 Thermostat kit contents:

1. TS60 Wall Display Unit (WDU)
2. TR60 HVAC Control Unit
3. TR60 Quick Start Guide
4. Documentation CD

Installation

1. Read the Installation Manual on the CD. (or included in the box)

2. Perform the BENCH TEST It is **HIGHLY RECOMMENDED** that the thermostat be BENCH TESTED before it is installed on the wall. Setup and connect the WDU and Control Unit, following the wiring guide, wiring diagram and setup instructions, with a short (1-3 ft) piece of 4 conductor wire (any wire, 22ga or larger, cat 3/5 or thermostat wire will do for this test yourself with the WDU screens and thermostat operations. Refer to the Installation manual on the CD for complete thermostat information.

3. Connect the Wall Display Unit to HVAC Control Unit

4. Connect the HVAC Control Unit to the HVAC system

5. Set the HVAC System Type Dipswitch on the HVAC Control Unit

IMPORTANT: SW1 MUST be set to the correct HVAC type for proper HVAC system operation!
Default setting: Standard HVAC, Gas Fan Type

6. Connect power to the HVAC Control Unit

- a. Either from the HVAC System or
- b. From an external 24VAC power transformer (not supplied)

7. Set the Network Address

Set the thermostat network address (default address: 1) using the Installer Settings screen on the TS60 WDU. This hidden screen is accessed from the Menu screen by pressing and holding the two inner buttons on the WDU for 5 seconds. See the Operation manual for details.

8. Connect RS485 Network

Connect the RS485 network connections to RS485 Com terminals. Typical RS485 wiring is label as Data+ and Data -, or Data B and Data A. For RCS networks wire Data B/+ to Data B/+ and Data A/- to Data A/-. If the RS485 network does not connect, try reversing the lines. The RS485 ground wire is recommended.



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Wiring Diagram

