This Quick Start Guide is intended to be used by qualified technicians who understand the dangers of electricity and the operation of this product. It provides the installer or user with minimal information for installation and operation, and it is recommended to refer to the installation and operational manual for specific instructions.

PK509 (or the complete documentation, specifications, warnings, and safety concerns) for the complete documentation, instructions, specifications, warnings, and safety concerns.

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Breaker must be 125% of maximum heater load but not to exceed 50 Amps.

RTD WIRING
(RBF TYPE RTD SENSOR)

AC INPUT
100 - 277 VAC
Breaker must be 125% of maximum heater load but not to exceed 50 Amps.

Wire Board Wiring Diagram

Wiring Notes:
1. ITC units have separate Main Boards for each circuit. Main Boards are located in the rear of the enclosure. On 2-Circuit ITCs, Circuit 1 Main Board is the lower board.
2. The individual breakers shall be 50 Amps maximum or 125% greater than the largest anticipated current demand.
3. For 2-Circuit Ambiant-Sensing applications (1 RTD controls both circuits), connect the RTD to RTD 1 INPUT of the Main ITC Board for Circuit 1 (Lower Board).

Board Layout Note:
In 2-Circuit ITCs, the Main ITC Board for Circuit 2 (Upper Board) has no Alarm Contacts.

Communications Wiring
All communications wiring is facilitated via the Display Board.

Modbus TCP/Web Server (when ordered) uses the RJ45 connector

Modbus RTU/RS485 or /RS422 use the Green Terminal Blocks

RS485 2-Wire
Must Jumper (RX+/TX+) & (RX-/TX-)

RS485 2-Wire
Use RX+, RX-, TX+ & TX-

RS422 4-Wire

The lowest pin on the Green Terminal Blocks has no use.

Wall Mount Layout Template
(Reference Only) MAXIMUM #10 STUD

Dimensions Vary by Enclosure Type: Fiberglass / 316 SS.