

Wiring Instructions for the Temperature Control Module (TCM)

Use these instructions to install the temperature control module (TCM) on the following Apex products:

- 2103 Rim E-Lock Exit Device
- 2203 Surface Vertical Rod E-Lock Exit Device
- 2303 Mortise E-Lock Exit Device
- 2703 Wood Door Concealed Vertical Rod E-Lock Exit Device
- 2803 Concealed Vertical Rod E-Lock Exit Device

All -03 functions mechanically operate the latchbolt by key.

The Temperature Control Module (TCM), included with the electric exit device, reduces the amount of current that flows through the lock solenoid and is required for proper operation.

Electrical ratings of TCM

Input voltage: 24 volts AC or DC

Output voltage: 24 volts DC pulses

Current: 1 amp maximum

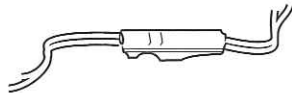


Figure 1 Temperature Control Module

To install a TCM follow these steps:

- 1 Shut off power to the circuit.

Caution: Turn off all power before making any wire runs or connections.

Caution: Make sure to understand and follow all national, state and local electric and fire building codes.

Caution: When routing wires, make sure the wires are not routed across any sharp edges or over any surface that could damage their sleeving or wire insulation.

- 2 Pull wire to the device as needed.
- 3 Connect the red (+) and black (-) wires of the new style TCM to the relay control board or other power source using the appropriate connector. See Figure 2.

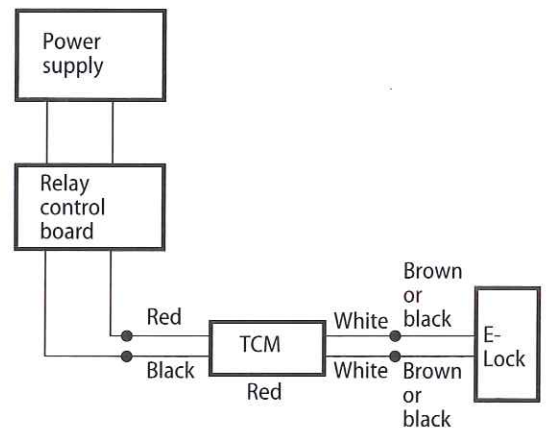


Figure 2 Wiring diagram for TCM

Note: The TCM must be installed at no more than 20 feet from the door, using 18 AWG wire.