

# TIMER - THERMOSTAT

## model series: SD-3PB STANDARD (NO OPTIONS)

### INSTRUCTIONS

#### HOW TO START or STOP:

Press the "ON/OFF" key to start or stop the timer.

NOTE: When starting, the controller will begin the count down from the MAXIMUM time preset and the preset temperature will be automatically set to the MAXIMUM allowed preset point.

#### TIMER ADJUSTMENT:

The user may readjusted the timer at any point by pressing the UP or DN key.

NOTE: For as long as the supply power is present, the readjusted TIMER preset value is saved in a temporary memory and may be recalled later on by pressing the "USER" key to restore that value.

#### TEMPERATURE ADJUSTMENT:

The user may readjusted the temperature preset at any time by pressing the UP or DN key.

NOTE: For as long as the supply power is present, the readjusted TEMPERATURE preset value is saved in a temporary memory and may be recalled later on by pressing the "USER" key to restore that value.

#### REMOTE CONTROL PANEL

The OPTIONAL Remote Control Panel operates in a similar manner as the face display and keypad panel on the Main Controller unit.

#### CONTROL OPERATION:

1. The controller switches the load ON and OFF as required to maintain the preset temperature value as compared to the sensor reading while the Count Down Timer is running.
2. Every several seconds the display will show the preset temperature value and then return to the current temperature reading.

#### MANUAL STOP:

Press the "ON/OFF" key to stop the timer.

The count-down timer will stop and reset itself to "0". The load will be switched OFF.

#### AUTOMATIC STOP:

The controller stops automatically when the preset time expires or a malfunction is detected.

#### IDLE/MONITORING OPERATION:

The timer display shows "OFF" or "0" to indicate that the controlled load is switched OFF.

After the TIMER expired or after it was STOPPED, the controller enters the "IDLE" state. It will continue to monitor the current temperature reading on the display.

#### CELSIUS/FAHRENHEIT SELECTION

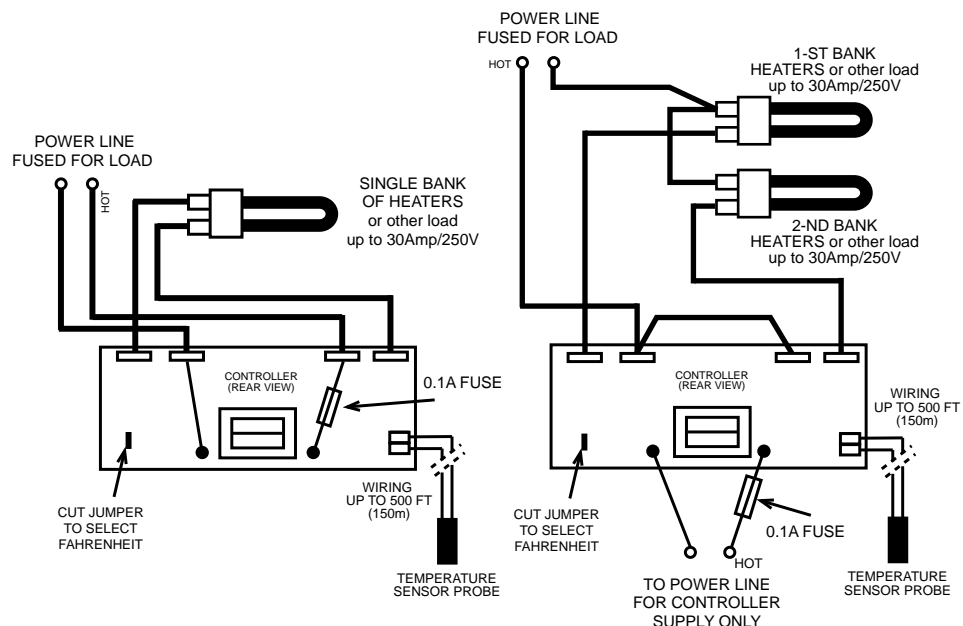
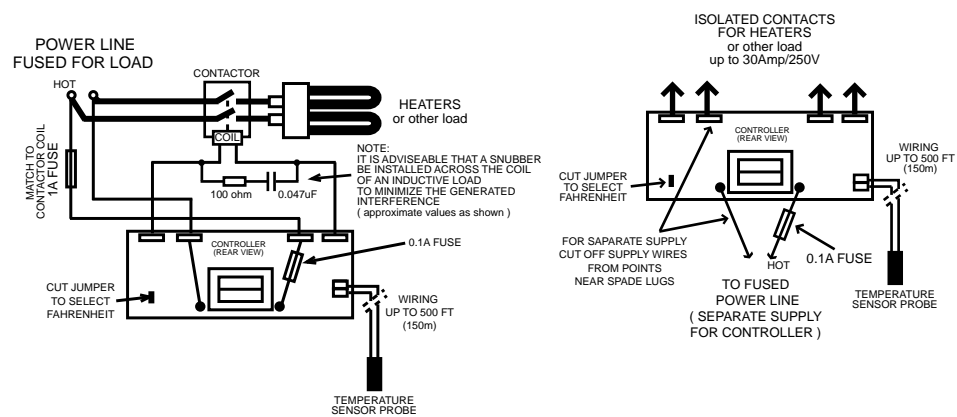
This controller comes in two model versions set to operate either in Fahrenheit or in Celsius degrees. This is set in the factory and cannot be changed by the customer.

**CAUTION:** All installation and adjustments of the controller options MUST be done ONLY when ALL POWER to the load and the controller is disconnected.

#### TROUBLESHOOTING:

The sensor wiring and the controls are continually checked for proper operation. If a malfunction is detected the controller will automatically switch OFF the load and deactivate itself. At the same time the display will show "Err".

The controller cannot be reactivated until all causes of the malfunction are fixed.



#### WIRING EXAMPLES