

# TempTrac<sup>®</sup> Electronic Operating Control

## Features

- Electronic control with millisecond loop temperature monitoring for firing rate adjustment
- Configurable for on/off, stage-fired or fully modulating boilers
- LED indicators for return and supply water temperatures
- 3 temperature probes inputs
- 2 binary inputs
- 3 relay outputs
- 1 analog output
- 1 485 serial connection
- Fully user programmable
  - Loop temperature set point
  - Staging set points
  - Modulation band
  - Nighttime setback, programmable by temperature, by day, by hour
  - Outdoor temperature reset, programmable by start temperature, heating loop temperature shift and operating band (optional)
  - Programmable warm weather shutdown and freeze protection (optional)
- Alarms / Notification
  - Low temperature
  - High temperature
  - Lockout
  - Alarm on any failure through Modbus RTU (optional)
  - Notification of maintenance hours threshold
- LED icons for monitoring operation /firing status
- LED icons for alarm identification
- Time delays for all outputs and alarms
- Manual modulation control
- Call for heat override
- Working hours counter for maintenance indicators
- Real time clock
- Memory key programmable for programming reset



## Standard communication capabilities:

Connectable to Building Automation System computer network through 485 serial connection using ModBus RTU protocol. Allows remote operating temperature reset, read/edit of most operating parameters and notification of alarm on any failure. (requires optional cable)

NOTE: For multiple boiler applications, it is highly recommended to use a multiple boiler controller or to control multiple boilers from the Building Automation System directly.