

X5

Single loop temperature controller used in a wide variety of applications where timers are necessary



Universal Temperature Controller with Timer

- Designed to combine temperature and timer operation for a temper / draw furnace
- Easy-to-use logic inputs for push button operation of the timer
- Automatically download set point and time from SCADA Software
- Universal Temperature Control
 - Auto-Tuning
 - Adaptive Tuning
- Communications
 - MODBUS
 - PROFIBUS
- Input Logic
 - 3 Digital Inputs
- Alarms
 - Deviation
 - Band Threshold
 - Absolute Threshold
- 1/8 DIN - 48x96 mm
- 6 Outputs
 - 4 Relay
 - 2 Analog
- Update time: 50 ms
- Stand alone timer (countdown)
- Ability to pause and change value at anytime
- Ability to reset at any time
- Timer tied to an optional logic input to start time
- Timer complete can be used as end of cycle contact
- Multiple time operation settings can be used for deviation, control mode, percent output, and end of cycle operation

X5 Applications

- Batch furnace temperature control
- Quench temperature controller
- Temper/Draw/Oven temperature control

Compatible with

- 4-20 A actuator
- Solenoid valves
- On/Off control values
- Slide wire feedback

INNOVATIVE SOLUTIONS WORLDWIDE



Super **Systems**
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X5 Controller

- Simple operation uses remote pushbuttons for timer: run, hold, reset
- Software configuration and backup of all critical parameters
- Compatible with SuperDATA and SCADA software
- PID, on/off, motorized value control
- Configurable timer functionality
- Autotuning
- Universal input (T/C, mV, Volt, mA, RTD)
- TC types: L, J, K, S, R, T, B, N, E, W, Custom



SOFTWARE UTILITY

- UPLOAD CONFIGURATION
- DOWNLOAD CONFIGURATION
- COMPARE CONFIGURATIONS

Timer Applications

Example 1:

Timer is started when load is put in to furnace and does not stop counting down until time is expired

Example 2:

Timer starts when process variable comes within temperature band and does not stop until time is expired

Example 3:

Timer starts when process variable comes within a user-defined temperature band of set point. Timer pauses the soak timer when process variable falls outside of band, and continues the soak timer when the process variable returns back inside the band



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