

series 555

ZYTRON

MICROPROCESSOR TIME/TEMP CONTROL

The Series 555 control incorporates the latest in microprocessor technology for use in many automated process control applications such as cook-and-hold. The 555 has been designed for exceedingly intuitive operation with large front panel push buttons and a bright easy to read display. All setpoints and setup parameters are saved in nonvolatile memory and a setup lockout feature prevents unauthorized access to setup programming. Optional menu keys can be connected to the control providing up to 10 pre-programmed menu selections.

PRODUCT applications

- Roast & Hold Ovens
- Re-Thermalization Cabinets
- Refrigeration Equipment
- Combi Ovens
- Blast Chillers
- Commercial Cooking Equip
- Laboratory Equipment
- Environmental Chambers
- Rotisseries

HIGHLIGHTS

- latest uP technology
- exceptionally intuitive operation
- ergonomically designed operator interface
- programmable menu keys supported
- full two-year parts & labor warranty

FEATURES

- 115/230VAC field selectable input
- Two SPST relay outputs
- Two PRTD sensor inputs
- Time/temperature initiated SP change
- Programmable setpoint limits
- Temperature and power loss alarms
- Programmable display units
- Software lock to prevent tampering

OPTIONS

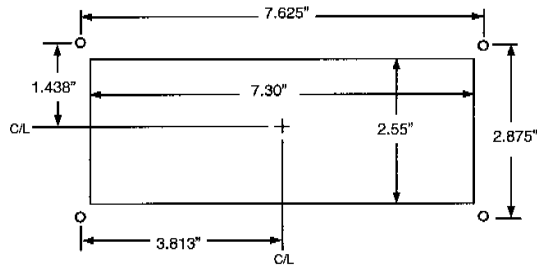
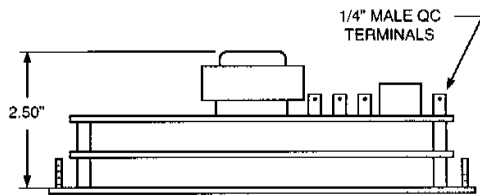
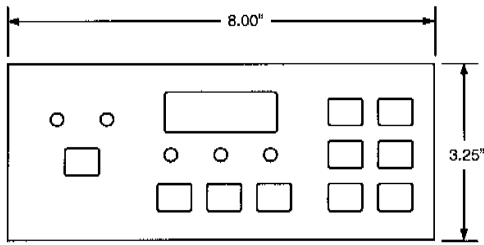
- 24VAC input voltage
- DC outputs to drive SSR
- Remote mounted menu keys
- Custom software and hardware



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MICROPROCESSOR TIME/TEMP CONTROL

specifications



Panel Cutout

Power Input: 115/230VAC +/-15%, 50/60Hz
(12VAC or 24VAC optional)

Heating Output: 5Amp SPST N.O. Relay
(optional 1Amp Opto Cpld SSR or
DC SSR driver available)

Fan Output: 5Amp SPST N.O. Relay or optional
DC SSR driver

Heat Control: ON-OFF, adjustable differential (1°F to 25°F)

Fan Control: Optional Fan relay energizes continuously in
Cook mode and cycles with heat relay in
Hold mode

Control Modes: Time terminated Cook mode and
Meat Probe temperature terminated Cook mode

Sensor Inputs: Oven temperature sensor and
Meat Probe sensor

Sensor Type: 100 ohm PRTD (1000 ohm PRTD optional)

Display: Single 4 digit LED

Annunciators: Heat, Cook & Hold LED status indicators;
Probe & Timed Mode LED status indicators;
Audible alarm

Setpoint Range: Cook, Hold & Probe Max/Min S.P. limits are
settable between 0°F and 999°F (0°C to 537°C)

Alarms: Power Failure - display flashes
Oven Temp Alarm - display flashes and
beeper sounds

Timing Ranges: High range: 99hrs 59mins
Low range: 99mins 59secs

Front Panel: Control Setup and SP programming buttons:
SET, UP, DOWN, COOK, HOLD & PROBE/TIME
Control Operating Buttons:
START, STOP, OVEN TEMP & MODE

Memory: Non-volatile E²PROM retains settings when
power is removed

ZYTRON

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