

# MODEL NO. MPCT-3100 SERIES ELECTRONIC TEMPERATURE CONTROLLER

## APPLICATION

Standard on-off control of the room temperature with up to 12 relay outputs with accessory expansion modules for use with most DCA systems, where staged on-off control of cooling and heating is required. A remote temperature sensor is required. The system provides two sequencing loops, one each for heating and cooling with separate set points and throttling ranges.

## FEATURES

- Based on the Honeywell T775L2007 Stage Sequencer Electronic Controller
- Easy to use graphical interface
- Adjustable set points and throttling ranges
- Up to twelve SPDT relay outputs
- Configurable minimum on and off times
- Sensor calibration
- Configurable integral and derivatives times

## SELECTION

- MPCT-3101 Standard control with 4 relay outputs
- MPCT-3102 Optional control with 8 relay outputs requiring one T775S
- MPCT-3103 Optional control with 12 relay outputs requiring two T775S expansion modules

## ACCESSORIES

- TS-W-1097 Wall mounted temperature sensor, 1097 ohm
- TS-D-1097 Duct mounted temperature sensor, 1097 ohm
- T775S2008 Expansion module.

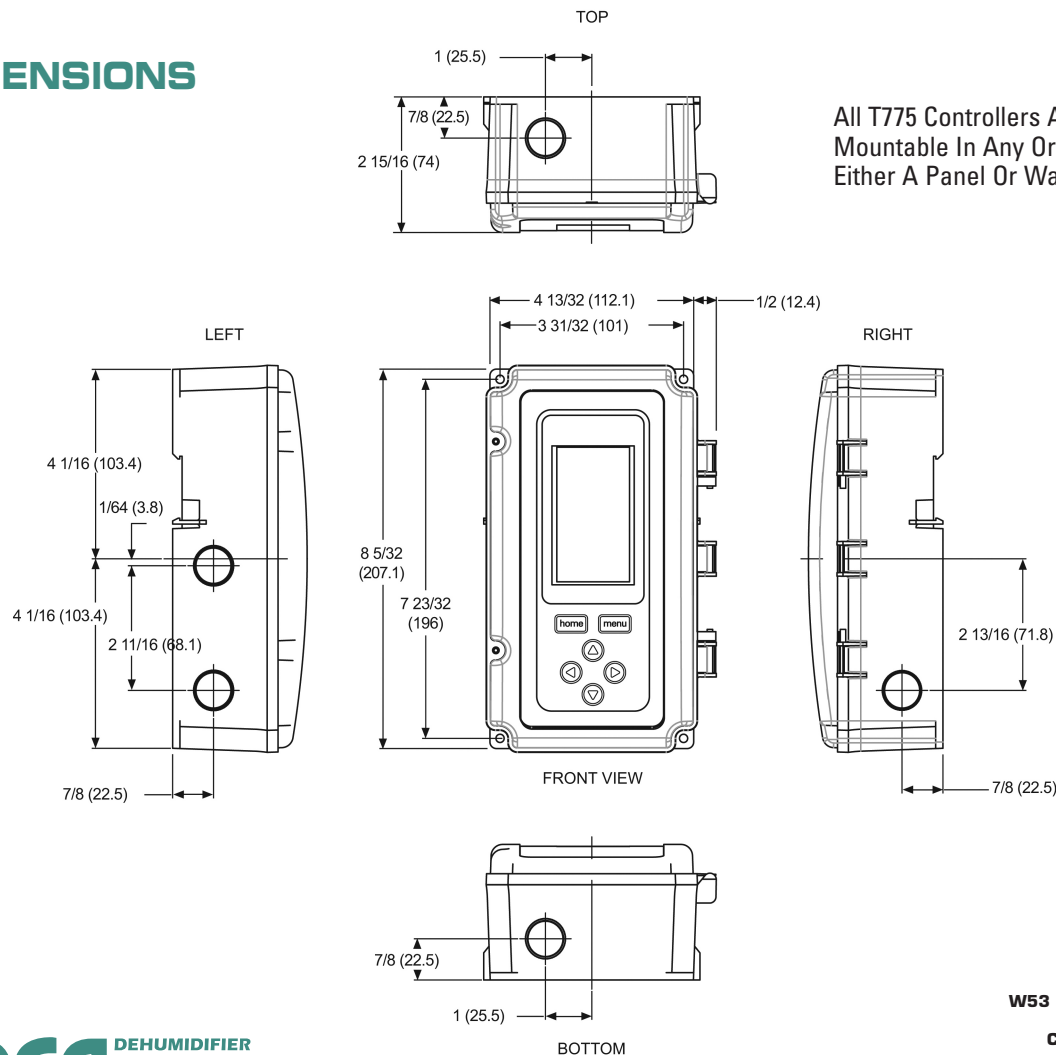


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## TECHNICAL SPECIFICATIONS

Power Requirements	24, 120, or 240 Vac, 50/60 HZ A Separate Earth Ground Is Required For Any Power Source
Power Consumption	8 VA Maximum At 60 HZ 10 VA Maximum at 50 HZ
Operating & Storage Temperature	-40°F To 125°F (-40°C To 52°C) @ 50 HZ
Ambient Rating	-40°F To 140°F (-40°C To 60°C) @ 60 HZ
Relative Humidity	5% To 95% Non-Condensing
Relay Contact Output Ratings (N.O. and N.C.)	1/2 HP; 9.8 AFL, 58.8 ALR @ 120 Vac 1/2 HP; 4.9 AFL, 29.4 ALR @ 240 Vac 125 VA Pilot Duty @ 120/240 Vac 10A @ 24 Vac (Resistive)
Sensed Temperature Limits	Minimum -60°F (-51°C) Maximum 270°F (132°C)
Sensed Temperature Accuracy	1°F/C @ Ambient Room Temperature of 77°F (25°C)
Temperature Setpoint Range	-40°F to 248°F (-40°C to 120°C)
Approvals	UL 60730-1 For US And Canada, CUL, CE, C-TICK
Time Clock	Two Settable Time Periods Per Day Are Standard On All Models
Volatile Memory	The date and time settings are retained for 24 hours after the power outage. After a power loss of more than 24 hours, the date and time settings may need to be reentered. All other settings are stored permanently.

## DIMENSIONS



All T775 Controllers Are Field-Mountable In Any Orientation To Either A Panel Or Wall.