

## MODEL NO. MPCT-3400 SERIES ELECTRONIC TEMPERATURE CONTROLLER

### APPLICATION

Featuring two modulating analog outputs, four individually programmed relay outputs and two temperature inputs this is for special DCA dehumidifier applications requiring modulating control of auxiliary heat and on-off control of cooling where the heater supply air temperature must be limited or controlled. A remote temperature sensor is required as well as a heater leaving air temperature sensor.

### FEATURES

- Based on the Honeywell T775M2030 Modulating Electronic Controller
- Easy to use graphical interface
- Individually adjustable set points, differentials and throttling ranges
- Two analog outputs with selectable 0-10Vdc, 2-10Vdc and 4-20ma signals
- Four SPDT relay outputs
- Configurable minimum on and off times
- Sensor calibration
- Configurable integral and derivative times

### SELECTION

- MPCT-3401 Control of SCR type electric heat (0 to 10 Vdc)
- MPCT-3402 Control of modulated gas duct furnace (0 to 10 Vdc)
- MPCT-3403 Modulated hot water valve (2 to 10 Vdc)

### ACCESSORIES

- TS-W-1097 Wall mounted temperature sensor, 1097 ohm
- TS-D-1097 Duct mounted temperature sensor, 1097 ohm

For additional options consult factory

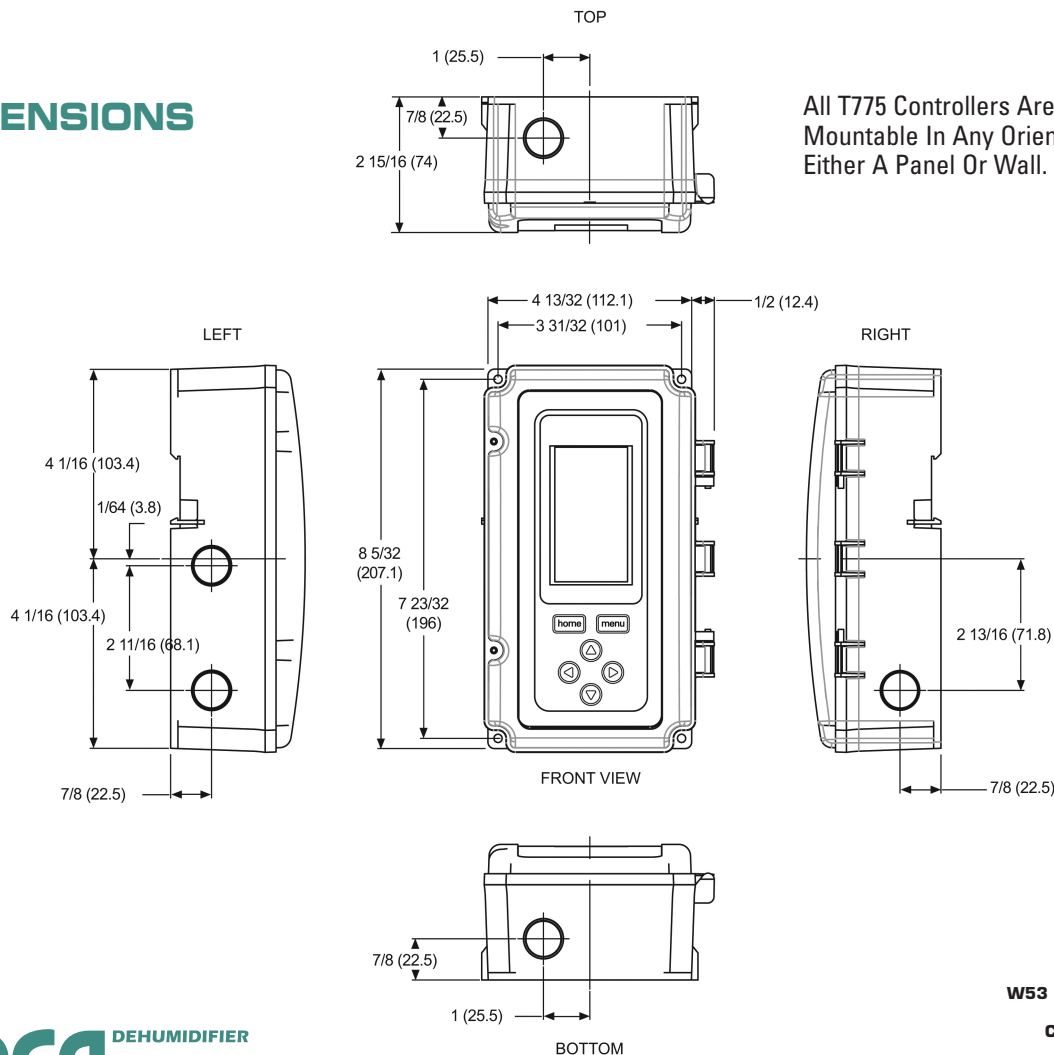


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## TECHNICAL SPECIFICATIONS

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 Ambient Rating	-40°F To 125°F (-40°C To 52°C) @ 50 HZ -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)
Modulating Outputs	0-10 Vdc; Drive A Minimum Of 2000 Ohms 2-20 Vdc; Drive A Minimum Of 2000 Ohms 4-20 mA; Drive A Maximum Of 600 Ohms
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.