DEHUMIDIFIER CORPORATION OF AMERICA

MODEL NO. MPCH-3000 SERIES
ELECTRONIC HUMIDITY CONTROLLER

APPLICATION

Standard on-off control of relative humidity with up to 2 stages output for use with most DCA systems. A remote humidity transmitter is required. Humidity reset from room temperature is available with the addition of a remote temperature sensor.

FEATURES

- Based on the Honeywell T775U2006 Electronic Controller
- Easy to use graphical interface
- Accepts humidity transmitter inputs of 0-5 Vdc, 0-10 Vdc and 4-20 ma
- Adjustable set points and differentials
- Up to two independent SPDT relay outputs
- Configurable minimum on and off times
- Sensor calibration

SELECTION

- MPCH-3001 Basic on-off control of humidity
- MPCH-3002 Automatic reset of relative humidity from room temperature for special applications. Requires a temperature sensor.

ACCESSORIES

- HT-W-5 Wall mounted humidity transmitter, 5% RH accuracy
- HT-D-5 Duct mounted humidity transmitter, 5% RH accuracy
- TS-W-1097 Wall mounted temperature sensor, 1097 ohm
- TS-D-1097 Duct mounted temperature sensor, 1097 ohm

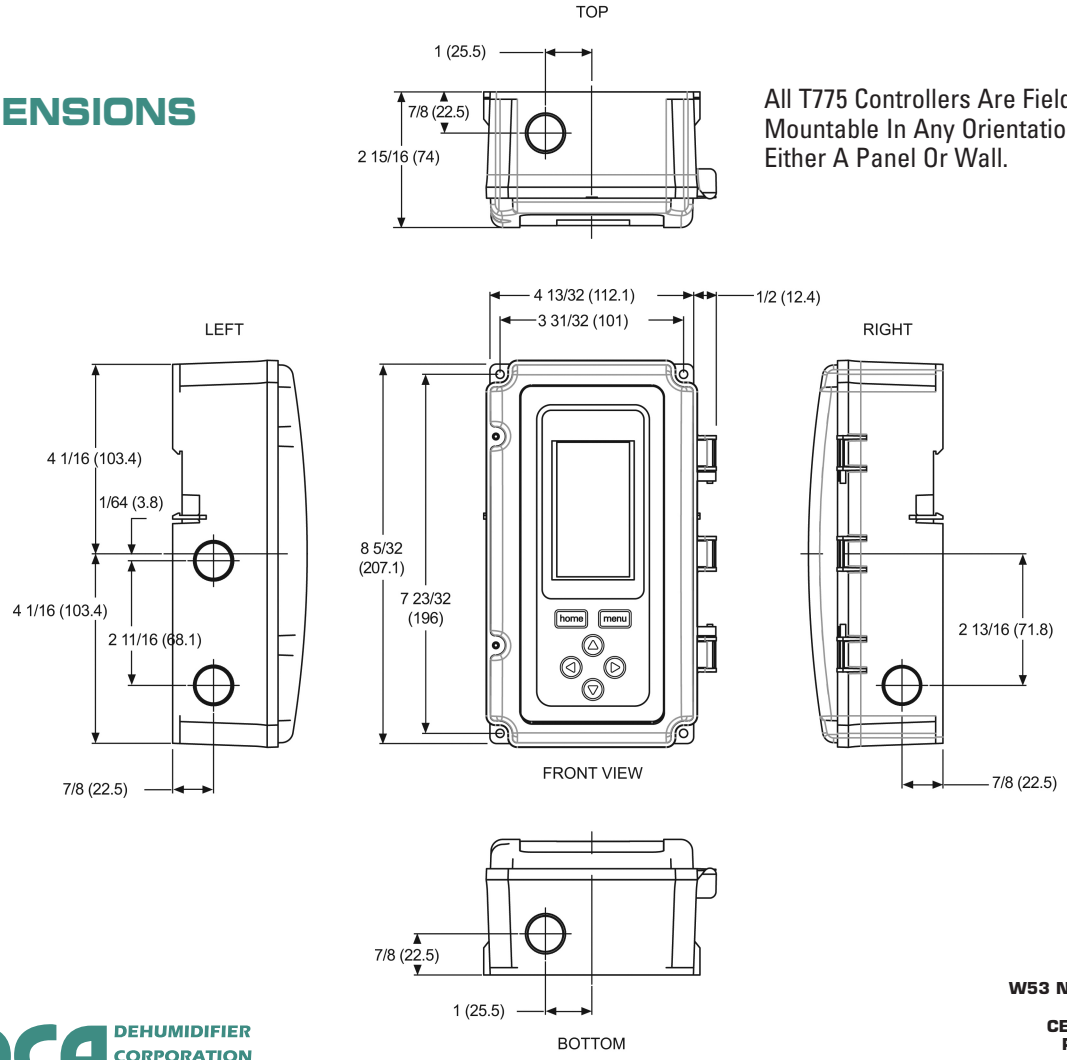
For additional options consult factory

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 Maxiumum 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)
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.



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