LOVE®

Series TS2

Digital Temperature Switch
Easy Multi-Unit Programming, 16A SPDT Relay Output

CE cULus

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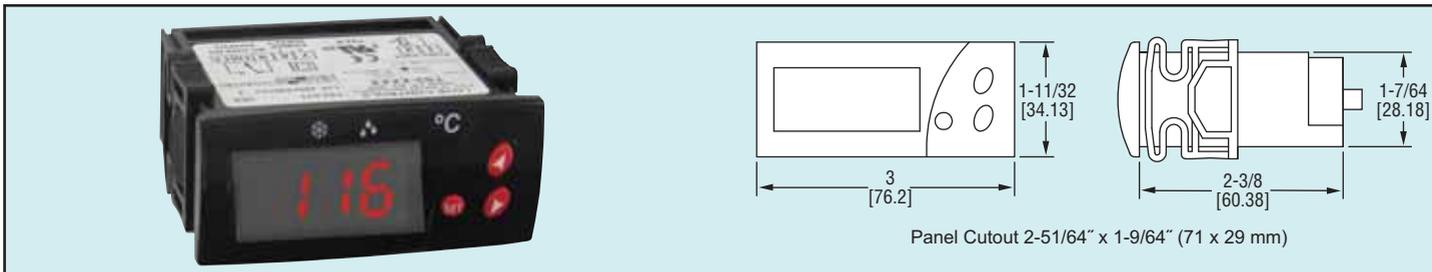
Panel Cutout 2-51/64″ x 1-9/64″ (71 x 29 mm)

Monitor and control temperature for heating and cooling applications with the Series TS2 Digital Temperature Switch. The Series TS2 offers twelve programmable functions to customize the unit to fit application requirements. Use the 16 (5) Amp SPDT relay output to drive a motor, compressor, or fan. Designed with the OEM in mind, the TS2 offers the ability to configure multiple units with the touch of a button.

Programming multiple units is quick and easy. Simply program one switch with the desired parameter settings and connect the configuration key (sold separately) to the back of the unit. Press the button on the configuration key and download the parameter settings. Connect the key to the other switches to upload the stored settings with the push of a button. The TS2 features set point adjustments, static defrost timing, compressor mean time, hysteresis, and ambient probe adjustment. Security protection is offered using a password code. The Series TS2 Digital Temperature Switches are designed to operate with PTC (1000Ω @ 25°C) probes sold separately.

SPECIFICATIONS
Probe Range: -58 to 302°F (-50 to 150°C).
Input: PTC thermistor 1000Ω @ 25°C.
Output: 16A SPDT relay @ 250 VAC resistive, 5A inductive.
Horsepower Rating (HP): 1 HP.
Control Type: ON/OFF.
Power Requirements: 110 VAC, 230 VAC, 12 VAC/VDC or 24 VAC/VDC.
Accuracy: ±1% F.S.

Display: 3-digit, red, 1/2″ digits.
Resolution: 1°.
Memory Backup: Nonvolatile memory.
Temperature Limits: Ambient: 32 to 158°F (0 to 70°C).
Storage Temperature: -4 to 176°F (-20 to 80°C).
Weight: 2.3 oz (65 g).
Front Panel Rating: IP64.
Agency Approvals: CE, ULc, UL.

ACCESSORIES
See page 280

Model	Voltage Supply	Display
TS2-010	110 VAC	°F
TS2-011	110 VAC	°C
TS2-020	230 VAC	°F
TS2-030	12 VAC/VDC	°F
TS2-040	24 VAC/VDC	°F
TS2-041	24 VAC/VDC	°C