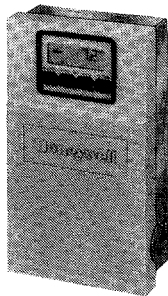


T775E,F ELECTRONIC REMOTE TEMPERATURE CONTROLLER



T775

THE T775 FAMILY OF ELECTRONIC REMOTE TEMPERATURE CONTROLLERS PROVIDES 4-20 mA, 0-18Vdc, or ELECTRONIC SERIES 90 PROPORTIONAL + INTEGRAL MODULATING CONTROL FOR GAS, HOT WATER, STEAM, OR CHILLED WATER VALVES, DAMPERS, AND OTHER APPLICATIONS WHERE ELECTRONIC ACCURACY IN ADDITIONAL TO REMOTE SENSING IS DESIRED.

T775E

T775F

- T775E models provide P+I modulating control with 1 temperature input and either 4-20 mA, 0-18 Vdc, or Electronic Series 90 modulating output and 1 relay output stage.
- T775F models provide P+I modulating control with 2 temperature inputs and either 4-20 mA, 0-18 Vdc, or Electronic Series 90 modulating output and 3 relay output stages.
- Wide set point temperature range.
- Wide ambient temperature range.
- Linear platinum temperature sensor.
- Adjustable temperature range, differential, and interstage.
- Adjustable throttling range.
- LCD indication for mode and output status.
- Keypad provides ease of programming and operation.
- High degree of accuracy.

SPECIFICATIONS

Models: The T775 family of electronic remote temperature controls provides 4-20 mA, 0-18 Vdc, or Electronic Series 90 Proportional + Integral modulating control for gas, hot water, steam, or chilled water valves, dampers, and other applications where electronic accuracy in addition to remote sensing is desired.

T775E: P+I modulating control with 1 temperature input and either 4-20 mA, 0-18 Vdc, or Electronic Series 90 modulating output and 1 relay output stage.

T775F: P+I modulating control with 2 temperature inputs and either 4-20 mA, 0-18 Vdc, or Electronic Series 90 modulating output and 1 to 3 relay output stages.

CONTACT RATINGS:

- 1/2 HP; 9.8 FLA 58.8 LRA @ 120 Vac
- 1/2 HP; 4.9 FLA 29.4 LRA @ 240 Vac
- 125 VA pilot duty at 120/240 Vac
- 1 OA @ 24 Vac (resistive)

SENSOR: Positive coefficient platinum type, 1000 ft. maximum distance between sensor and solid state controller. 193987GA included with controller.

TEMPERATURE ACCURACY: +/- 1°F.

DISPLAY RESOLUTION: Sensed temperature and other operating parameters are displayed via a liquid crystal display (LCD) with a resolution of 1°F or 1°C.

SET POINT ADJUSTMENT RANGE: -20 to 240°F [-29 to 116°C].

OPERATING AMBIENT TEMPERATURE:

T775E CONTROLLERS: -40 to 140° F [-40 to 60°C].

T775F CONTROLLERS: -40 to 125° F [-40 to 54°C].

SENSOR: -20 to 240°F [-29 to 116°C].

DISPLAY: -30 to -140°F (-34 to 60°C).

SWITCHING DIFFERENTIAL: Adjustable 1 to 35° F or C.

INTERSTAGE DIFFERENTIAL: Adjustable 0 to 35° F or C.

THROTTLING RANGE: Adjustable 2 to 30° F or C.

OPERATING HUMIDITY: 5 - 95 % RH Noncondensing.

APPROVALS: Underwriters Laboratories Inc. and Canadian Standards Association listings pending.

MOUNTING: Mounts on any suitable horizontal or vertical surface (see Fig. 2 for mounting hole locations).

ACCESSORIES:

C7100C - Duct Mount Averaging Sensor

C7130A - Wall Mount Sensor

107324A - Bulb Holder, duct insertion

121371A - Copper Immersion Well

121371 E - Stainless Steel Well

MODEL NUMBER	TEMPERATURE INPUTS	OUTPUTS	
		MODULATION TYPE	NUMBER OF RELAY OUTPUTS
T775E1015	1	Electronic Series 90*	1
T775E1058	1	4-20 mA	1
T775E1098	1	0-18 Vdc	1
T775F1022	2	Electronic Series 90	3
T775F1055	2	4-20 mA	3
T775F1089	2	0-18Vdc	3

*Note: The Series 90 output will not drive electromechanical slidewire devices.

ELECTRICAL RATINGS:

Power consumption:

For 1 and 2 stage devices

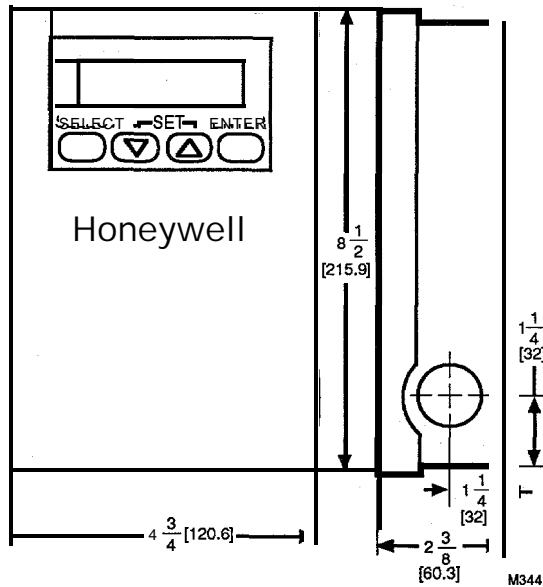
8 VA max. at 60 Hz

IOVAmax at 50Hz

For 3 and 4 stage devices

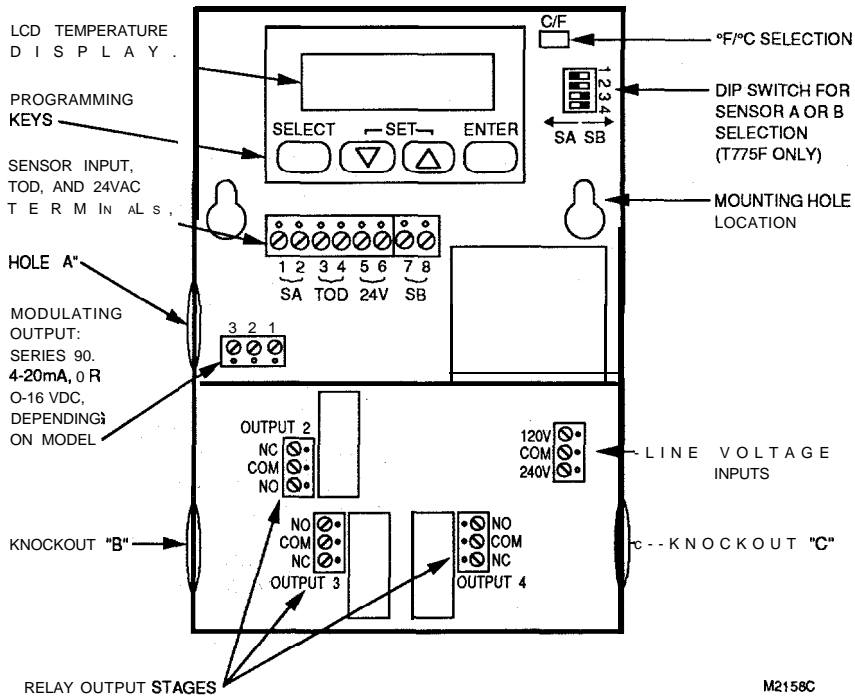
13VA max. at 60 Hz

20 VA max. at 50 Hz



M344

Fig. 1-APPROXIMATE DIMENSIONS IN in. [mm in brackets] OF T775.



M2158C

Fig. 2-FEATURES AND MOUNTING HOLE LOCATIONS.