

T775A

Electronic Stand-Alone Controller 전자식 단독형 온도 조절기



개요

The T775 electronic stand-alone controllers are the next generation of commercial and agricultural controls capable of remote sensing of temperature and providing switched and/or proportional outputs to various types of loads.

특징

- Easy-To-Use Graphical Interface
- NEMA 4X Enclosure Option
- Internal Time Clock Scheduler
- Up To Two Independent Modulating Outputs
- Modulating High Or Low Limit Control
- Optional Configurable Integral And Derivative Times
- Reset Models With Simplified Setup
- Configurable Minimum Off Time
- Sensor Calibration
- Fewer Models
- Special Models

특성 및 규격

Power | 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° to 125° F (-40° to 52° C) @ 50 Hz
- -40° to 140° F (-40° to 60° C) @ 60 Hz

Relative Humidity | 5% to 95% non-condensing All T775 controllers are field-mountable in any orientation to either a panel or wall.

Digital Input (DI) |

- 18 Vdc and 3.5 mA (for choosing external contact)

Digital Output (DO) Alarm (T775P only) |

- Alternating Current (AC):
 - 30 Vac RMS: 1.5 A steady 3 A inrush P.F. 0.45 NC
 - 20 Vac RMS: 100 mA minimum load on NO and NC contacts
- Direct Current (DC): 1 mA at 100 mV DC minimum load

NOTE : In applications requiring a gold contact signal relay, an external signal relay or additional load resistor may be needed for the digital output.

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 2,000 Ohms
- 2–10 Vdc; drive a minimum of 2,000 Ohms
- 4–20 mA; drive a maximum of 600 Ohms
- Electronic Series 90; requires 340 Ohm resistor (included)

across terminals R and W |

- Floating

Sensed Temperature Limits (displayed) |

- Minimum -60° F (-5° C)
- Maximum 270° F (132° C)

High Setpoint Limit | An irreversible high limit setpoint can be configured to meet local code requirements.

Sensed Temperature Accuracy |

- T775: 1° F/C @ ambient room temperature of 77° F (25° C)
- 50021579-001 and T775-SENS-WR: $\pm 0.42^{\circ}$ from -22° to
- 248° F ($\pm 0.24^{\circ}$ from -30° to 120° C)

Setpoint Range | -40° to 248° F (-40° to 120° C)

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 a 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.

Approvals | UL 60730-1 standard, CuL, CE, C-tick

Controller Configurations

Controller Model	Description	Replaces	Output Reset	SPDT Relay Outputs	Analog (Mod) Outputs	DO	Floating Outputs	Sensor Inputs	Nbr of Sensors Included	Staged Loop Control	Addable T775S	Enclosure
T775 A/B/M/R Controller Configurations												
T775A2009	Standard	T775A1001	No	1	None	N/A	None	1	1	N/A	N/A	NEMA 1
T775B2016	Standard	N/A	No	2	None	N/A	1	2	1	N/A	N/A	NEMA 4X
T775B2024	Standard	T775C1009 T775D1008	No	4	None	N/A	2	2	1	N/A	N/A	NEMA 4X
T775B2032	Standard	T775A1019 T775B1000	No	2	None	N/A	1	2	1	N/A	N/A	NEMA 1
T775B2040	Standard	T775A1027 T775A1035 T775B1018 T775B1026 T775B1042	No	4	None	N/A	2	2	1	N/A	N/A	NEMA 1
T775M2006	Modulating	N/A	No	None	2	N/A	None	2	1	N/A	N/A	NEMA 1
T775M2014	Modulating	T775G1005 T775G1013 T775G1021 T775G1039	No	4	2	N/A	None	2	1	N/A	N/A	NEMA 4X
T775M2022	Modulating	N/A	No	2	2	N/A	None	2	1	N/A	N/A	NEMA 4X
T775M2030	Modulating	T775E1114 T775F1022 T775F1055 T775F1089	No	4	2	N/A	None	2	1	N/A	N/A	NEMA 1
T775M2048	Modulating	T775E1015 T775E1023 T775E1056 T775E1064 T775E1098	No	2	2	N/A	None	2	1	N/A	N/A	NEMA 1
T775R2001	Reset Option	N/A	Yes	4	None	N/A	2	2	2	N/A	N/A	NEMA 1
T775R2019	Reset Option	N/A	Yes	4	2	N/A	None	2	2	N/A	N/A	NEMA 1
T775R2027	Reset Option	T775J1043 T775J1050 T775J1068	Yes	2	2	N/A	None	2	2	N/A	N/A	NEMA 1
T775R2035	Reset Option	T775J1001 T775J1076	Yes	2	None	N/A	1	2	2	N/A	N/A	NEMA 1
T775R2043	Reset Option	T775J1019 T775J1027 T775J1035	Yes	None	2	N/A	None	2	2	N/A	N/A	NEMA 1
T775 L/P/U/S Special Application Controller Configurations												
T775L2007	Stage Sequencer with Reset	N/A	Yes	4	None	N/A	None	2	1	Yes	Yes	NEMA 1
T775P2003	Boiler Model with Reset	N/A	Yes	4	None	1	None	3	3	Yes	Yes	NEMA 1
T775U2006	Universal Humidity, Pressure, Temperature, etc.	H775A1006 H775A1022 H775A1048 H775A1063 H775B1005 H775C1004 H775D1003 H775E1002	Yes	2	2	N/A	None	2	None	N/A	N/A	NEMA 1
T775S2008	4-Relay Expansion Module	N/A	N/A	4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NEMA 1

외형 및 치수(단위 : mm)

