



## Quick Selection Guide

# A Complete Selection For A Wide Range Of Applications

## ELECTRONIC STANDALONE CONTROLLERS

### T775

Provide on/off, modulating, or reset control in applications where electronic accuracy in addition to remote sensing is desired.

#### Standard Models

- Available with one, two or four SPDT relay output stages and/or modulating outputs (0-10 Vdc, 2-10 Vdc, 4-20 mA and electronic Series 90 selectable). All models have built-in time-clock scheduler for setback.
- Typical applications include
  - On/off control of fans, motors and heaters
  - Proportional or floating control of damper and valve actuators
  - Outdoor reset of heating and cooling systems



### T775 Electronic Remote Temperature Controllers

| Models for Standard Applications |                    |   |               |  |                              |                         |                                 |
|----------------------------------|--------------------|---|---------------|--|------------------------------|-------------------------|---------------------------------|
| Product Number                   | Description        | Replaces  | Relay Outputs | Analog Outputs<br>4-20 mA,<br>0-10 Vdc,<br>2-10 Vdc<br>& Series 90 | Floating Output <sup>1</sup> | Sensor Inputs Available | # Sensors Included <sup>2</sup> |
| T775A2009                        | Standard           | T775A1001   | 1 SPDT        |  |                              | 1                       | 1                               |
| T775B2016                        | Standard-NEMA 4X   |   | 2 SPDT        |  | 1                            | 2                       | 1                               |
| T775B2032                        | Standard           | T775A1019, T775B1000                                  | 2 SPDT        |  | 1                            | 2                       | 1                               |
| T775B2024                        | Standard-NEMA 4X   | T775C1009, T775D1008                                  | 4 SPDT        |  | 2                            | 2                       | 1                               |
| T775B2040                        | Standard           | T775A1027, T775A1035, T775B1018, T775B1026, T775B1040 | 4 SPDT        |  | 2                            | 2                       | 1                               |
| T775M2006                        | Modulating         |   | None          | 2  |                              | 2                       | 1                               |
| T775M2022                        | Modulating-NEMA 4X |   | 2 SPDT        | 2  |                              | 2                       | 1                               |
| T775M2048                        | Modulating         | T775E1015, T775E1023, T775E1056, T775E1064, T775E1098 | 2 SPDT        | 2  |                              | 2                       | 1                               |
| T775M2014                        | Modulating-NEMA 4X | T775G1005, T775G1013, T775G1021, T775G1039            | 4 SPDT        | 2  |                              | 2                       | 1                               |
| T775M2030                        | Modulating         | T775E1114, T775F1022, T775F1055, T775F1089            | 4 SPDT        | 2  |                              | 2                       | 1                               |
| T775R2035                        | Reset Option       | T775J1001, T775J1076                                  | 2 SPDT        |  | 1                            | 2                       | 2                               |
| T775R2043                        | Reset Option       | T775J1019, T775J1027, T775J1035                       | None          | 2  |                              | 2                       | 2                               |
| T775R2027                        | Reset Option       | T775J1043, T775J1050, T775J1068                       | 2 SPDT        | 2  |                              | 2                       | 2                               |
| T775R2001                        | Reset Option       |   | 4 SPDT        |  | 2                            | 2                       | 2                               |
| T775R2019                        | Reset Option       |   | 4 SPDT        | 2  |                              | 2                       | 2                               |

<sup>1</sup> One floating output eliminates two relay outputs.

<sup>2</sup> 50021579-001 included with non-NEMA 4X models, and T775-SENS-WR included with NEMA 4X models.

#### T775 Special Models

**T775U** — Universal model controls pressure, humidity, temperature or any control medium that inputs 1097 ohms PTC, 0-10 Vdc or 4-20 mA. CO<sub>2</sub> sensors are compatible but reading displayed in percent, not ppm.

**T775P** — Special boiler model with features like WWSD, Alarming

and control of up to 12 stages from a single setpoint using optional 4-relay expansion modules T775S.

**T775L** — Special sequencing module allows configuration of up to 12 relay outputs with one or two setpoints in any number and combination desired. Do 3 heat/7 cool, 6 heat/2 cool, 4 heat/2 heat — whatever you desire.

### T775 Electronic Remote Temperature Controllers

| Models for Special Applications |  |  |                     |   |                |                       |                         |                    |                         |              |
|---------------------------------|--|--|---------------------|---|----------------|-----------------------|-------------------------|--------------------|-------------------------|--------------|
| Product Number                  | Description  | Replaces   | Relay Outputs       | Analog Outputs<br>4-20 mA,<br>0-10 Vdc,<br>2-10 Vdc,<br>& Series 90 | Digital Output | Dedicated Pump Output | Sensor Inputs Available | # Sensors Included | Expandable <sup>1</sup> | Output Reset |
| T775P2003 <sup>2</sup>          | Special boiler with reset  |  | 4 SPDT              |   | 1              | •                     | 3                       | 3                  | •                       | •            |
| T775L2007                       | Stage sequencer with reset option  |  | 4 SPDT <sup>3</sup> |   |                |                       | 2                       | 1                  | •                       | •            |
| T775U2006                       | Universal — humidity, pressure, etc.   | H775A1006, H775A1022, H775A1048, H775A1063, H775B1005, H775C1004, H775D1003, H775E1002 | 2 SPDT              | 2   |                |                       | 2 <sup>4</sup>          |                    |                         | •            |
| T775U2016                       | Universal - Control to sensor A (universal input) and sensor B (temp) independently. |  | 2 SPDT              | 2   |                |                       | 2 <sup>4</sup>          |                    |                         | •            |
| T775S2008                       | Relay expansion module   |  | 4 SPDT              | Use with T77P or T775L  |                |                       |                         |                    |                         |              |

<sup>1</sup> 4 or 8 more relays possible with T775S2008 relay expansion module(s).

<sup>2</sup> Includes dedicated pump output, equal run time, pump pre-purge and post-purge, WWSD and more.

<sup>3</sup> Up to 2 independent non-sequenced relays are also available.

<sup>4</sup> First input configurable for temperature 0-5Vdc, 0-10 Vdc, or 4-20 mA; second input is configurable for temperature only.

## REFRIGERATION CONTROLLERS

### T4031, T6031

For limit or temperature control in refrigerated areas where remote mounting of sensing element is required.

- Liquid-filled copper elements provide rapid sensing to control the compressor system.
- Control temperature in a duct, tank, freezer or cooler.
- Controller element can be directly immersed in the controlled medium.
- Adjustable control setpoint.
- Ambient temperature compensation provides good temperature control.



T4031, T6031



L480, L482

## FREEZE STATS

### L480, L482

Used to limit or control temperature in air conditioning systems or refrigerated enclosures.

- Applications include freezer cabinets, display cases, beverage coolers, milk cooling tanks and cooling coils.
- Can act as a frost alarm operator in storehouses or orchards where frost would damage crops or equipment.

| Refrigeration Controllers/Freeze Stats |                  |                            |                  |        |                 |                  |                    |
|--|------------------|----------------------------|------------------|--------|-----------------|------------------|--------------------|
| Part Number                            | Setpoint Range   | Output                     | Capillary Length |        | Differential    |                  | Comments           |
|  |                  |                            | Feet             | Meters | °F              | °C               |                    |
| L480B1239                              | 20° F to 60° F   | 1 SPDT                     | 20 ft            | 6.1 m  | 10° F           | 5.6° C           |                    |
| L480G1044                              | 20° F to 60° F   | 1 SPST                     | 20 ft            | 6.1 m  | 15° F           | 8° C             | Manual reset       |
| L482A1004                              | 15° F to 55° F   | 2 SPST, one N.O., one N.C. | 20 ft            | 6.1 m  | 5° F            | 2.8° C           | Manual reset       |
| T4031A1016                             | -30° F to +50° F | 1 SPST                     | 5 ft             | 1.52 m | 1.0° F          | 0.6° C           |                    |
| T4031A1073                             | -30° F to +50° F | 1 SPST                     | 8 ft             | 2.44 m | 3.5° F          | 1.9° C           | Makes on temp fall |
| T6031A1011                             | 15° F to 90° F   | 1 SPDT                     | 5 ft             | 1.5 m  | 3.5° F to 16° F | 1.9° C to 8.9° C | Makes on temp fall |
| T6031A1029                             | -30° F to +90° F | 1 SPDT                     | 8 ft             | 2.4 m  | 3.5° F to 16° F | 1.9° C to 8.9° C | SuperTradeline     |
| T6031A1052                             | -30° F to +90° F | 1 SPDT                     | 5 ft             | 1.5 m  | 3.5° F to 16° F | 1.9° C to 8.9° C |                    |
| T6031A1060                             | -30° F to +90° F | 1 SPDT                     | 20 ft            | 6.1 m  | 3.5° F to 16° F | 1.9° C to 8.9° C |                    |
| T6031A1086                             | -35° C to +30° C | 1 SPDT                     | 8 ft             | 2.4 m  | 3.5° F to 16° F | 1.9° C to 8.9° C | Celsius model      |
| T6031A1136                             | -30° F to +90° F | 1 SPDT                     | 8 ft             | 2.4 m  | 3.5° F to 16° F | 1.9° C to 8.9° C |                    |

| Remote Temperature Controllers |                      |                  |              |        |                                   |                      |                  |        |
|--------------------------------|----------------------|------------------|--------------|--------|-----------------------------------|----------------------|------------------|--------|
| Part Number                    | Setpoint Temperature |                  | Differential |        | Relay Outputs                     | Element Type         | Capillary Length |        |
|                                | °F                   | °C               | °F           | °C     |                                   |                      | Feet             | Meters |
| T4031C1012                     | 40° F to 180° F      | 4° C to 82° C    | 5° F         | 2.8° C | 1 SPST, break on temperature rise | Copper bulb          | 5.5 ft           | 1.7 m  |
| T6031C1009                     | 40° F to 180° F      | 4° C to 82° C    | 2° F         | 1.1° C | 1 SPDT                            | Copper bulb          | 5.5 ft           | 1.7 m  |
| T6031C1058                     | 100° F to 240° F     | 38° C to 116° C  | 2° F         | 1.1° C | 1 SPDT                            | Stainless steel bulb | 5 ft             | 1.5 m  |
| T6031D1015                     | 40° to 180° F        | 4° C to 82° C    | 5° F         | 2.8° C | 1 SPDT                            | Copper bulb          | 5.5 ft           | 1.7 m  |
| T6031D1031                     | 0° F to 70° F        | -18° C to +21° C | 5° F         | 2.8° C | 1 SPDT                            | Copper bulb          | 5.5 ft           | 1.7 m  |
| T6031D1049                     | 30° F to 270° F      | -1° C to 132° C  | 7° F         | 3.9° C | 1 SPDT                            | Copper bulb          | 5.5 ft           | 1.7 m  |
| T6031G1000                     | 0° F to 90° F        | -18° C to +32° C | 2° F         | 1.1° C | 1 SPDT                            | Copper bulb          | 6.25 ft          | 1.6 m  |

## CROP-TROL CONTROLLERS

### T675F

Used to control an oil-burning, portable crop dryer.

- Suitable for line-voltage, low-voltage or millivolt (Powerpile) switching.
- Mounts directly on dryer with sensing bulb in discharge air duct.
- Knob extends through case for manual control point adjustment.
- Differential setting wheel, located under cover, adjusts difference between cut-in and cut-out temperatures.



## GENERIC REMOTE BULB CONTROLLERS

### T675, T678

Regulate temperature of air or liquids in ducts, pipes, tanks and boilers.

- Suitable for applications requiring temperature control of air or liquids where controller must be placed outside the sensing area.
- Typical uses include control of dampers and valves in heating, cooling and heating-cooling systems.
- Fast response models (available for use in return air duct) operate approximately four times faster than standard models.
- Controller can be mounted in any position.
- Ambient temperature compensation provides good temperature control.

| Remote Temperature Controllers |                      |               |                         |                         |  |  |  |
|--------------------------------|----------------------|---------------|-------------------------|-------------------------|--|--|--|
| Part Number                    | Setpoint Temperature | Relay Outputs | Element Type            | Capillary Length (Feet) | Differential (°F)  | Comments   |  |
| T675A1045                      | 0° F to 100° F       | 1 SPDT        | Stainless steel bulb    | 20 ft                   | 3° F to 10° F  | Stainless Steel Bulb                                   |  |
| T675A1102                      | 160° F to 260° F     | 1 SPDT        | Copper bulb             | 20 ft                   | 3° F to 10° F  |  |  |
| T675A1136                      | 0° F to 100° F       | 1 SPDT        | Copper bulb             | 20 ft                   | 1° F fixed   |  |  |
| T675A1425                      | 55° F to 175° F      | 1 SPDT        | Copper bulb             | 20 ft                   | 3.6° F to 12° F  |  |  |
| T675A1458                      | 55° F to 175° F      | 1 SPDT        | Copper bulb             | 5 ft                    | 1° F fixed   |  |  |
| T675A1508                      | 0° F to 100° F       | 1 SPDT        | Copper bulb             | 5 ft                    | 3° F to 10° F  | Includes 107324A Duct Bulb Holder                      |  |
| T675A1516                      | 0° F to 100° F       | 1 SPDT        | Copper bulb             | 5 ft                    | 1° F fixed   | Includes 107324A Duct Bulb Holder                      |  |
| T675A1524                      | 55° F to 175° F      | 1 SPDT        | Copper bulb             | 20 ft                   | 1° F fixed   |  |  |
| T675A1532                      | 160° F to 260° F     | 1 SPDT        | Copper bulb             | 5 ft                    | 3° F to 10° F  | Includes 107324A Duct Bulb Holder                      |  |
| T675A1540                      | 55° F to 175° F      | 1 SPDT        | Copper bulb             | 5 ft                    | 3.6° F to 12° F  | Includes 107324A Duct Bulb Holder                      |  |
| T675A1565                      | 0° F to 100° F       | 1 SPDT        | Copper bulb             | 20 ft                   | 3° F to 10° F  | Includes 107324A Duct Bulb Holder                      |  |
| T675A1706                      | 0° F to 100° F       | 1 SPDT        | Fast response capillary | 5 ft                    | 3° F to 10° F  | Fast response model, includes 107324A Duct Bulb Holder |  |
| T675A1722                      | 55° F to 175° F      | 1 SPDT        | Fast response capillary | 5 ft                    | 3.6° F to 12° F  | Fast response model, includes 107324A Duct Bulb Holder |  |
| T675A1771                      | 55° F to 175° F      | 1 SPDT        | Fast response capillary | 5 ft                    | 1° F fixed   | Fast response model, includes 107324A Duct Bulb Holder |  |
| T675A1920                      | -15° C to +35° C     | 1 SPDT        | Copper bulb             | 20 ft                   | 1.7° C to 5.6° C   | Bi-lingual French, Celsius Model                       |  |
| T675A2068                      | -15° C to +35° C     | 1 SPDT        | Copper bulb             | 1.5 m                   | 1.7° C to 5.6° C   | Celsius model  |  |
| T675A2076                      | -15° C to +35° C     | 1 SPDT        | Copper bulb             | 1.5 m                   | 0.6° C fixed   | Celsius model  |  |
| T675A2084                      | -15° C to +35° C     | 1 SPDT        | Copper bulb             | 6.1 m                   | 1.7° C to 5.6° C   | Celsius model  |  |
| T675A2100                      | 15° C to 75° C       | 1 SPDT        | Copper bulb             | 1.5 m                   | 2° C to 6.6° C   | Celsius model  |  |
| T675A2118                      | 75° C to 125° C      | 1 SPDT        | Copper bulb             | 1.5 m                   | 1.7° C to 5.6° C   | Celsius model  |  |
| T675B1002                      | 30° F to 50° F       | 1 SPDT        | Copper bulb             | 10 ft                   | Manual Reset   |  |  |
| T675B1010                      | 30° F to 50° F       | 1 SPDT        | Copper bulb             | 20 ft                   | Manual Reset   |  |  |
| T675B1028                      | -20° F to +50° F     | 1 SPDT        | Copper bulb             | 10 ft                   | Manual Reset   |  |  |
| T675F1032                      | 80° F to 220° F      | 1 SPDT        | Copper bulb             | 10 ft                   | 5° F to 30° F  |  |  |
| T678A1015                      | 0° F to 100° F       | 2 SPDT        | Copper bulb             | 20 ft                   | Switch: 3° F fixed/Interstage: 3° F to 10° F adjustable      |  |  |
| T678A1155                      | -15° C to +35° C     | 2 SPDT        | Copper bulb             | 5 ft                    | 3° F   | Bi-lingual French, Celsius Model                       |  |
| T678A1163                      | 5° F to 95° F        | 2 SPDT        | Copper bulb             | 6.1 m                   | Switch: 1.7° C fixed/Interstage: 1.7° C to 5.6° C adjustable | Celsius model  |  |
| T678A1353                      | 55° F to 175° F      | 2 SPDT        | Copper bulb             | 5 ft                    | 3.6° F   |  |  |
| T678A1361                      | 55° F to 175° F      | 2 SPDT        | Copper bulb             | 20 ft                   | Switch: 3.6° F fixed/Interstage: 3.6° F to 12° F adjustable  |  |  |
| T678A1395                      | 15° C to 75° C       | 2 SPDT        | Copper bulb             | 1.5 m                   | 2° C   | Celsius model  |  |
| T678A1437                      | 0° F to 100° F       | 2 SPDT        | Copper bulb             | 5 ft                    | Switch: 3° F fixed/Interstage: 3° F to 10° F adjustable      |  |  |
| T678A1445                      | 55° F to 175° F      | 2 SPDT        | Copper bulb             | 5 ft                    | Switch: 3.6° F fixed/Interstage: 3.6° F to 12° F adjustable  |  |  |
| T678A1478                      | 0° F to 100° F       | 2 SPDT        | Fast response capillary | 5 ft                    | Switch: 3° F fixed/Interstage: 3° F to 10° F adjustable      | Fast response model                                    |  |
| T678A1494                      | 55° F to 175° F      | 2 SPDT        | Fast response capillary | 5 ft                    | Switch: 3.6° F fixed/Interstage: 3.6° F to 12° F adjustable  | Fast response model                                    |  |
| T678A1627                      | 0° F to 100° F       | 2 SPDT        | Averaging capillary     | 10 ft                   | Switch: 3.6° F fixed/Interstage: 3.6° F to 12° F adjustable  |  |  |
| T678A1692                      | 15° C to 75° C       | 2 SPDT        | Copper bulb             | 1.5 m                   | 2° C   | Celsius model  |  |
| T678C1005                      | 55° F to 85° F       | 2 SPDT        | Copper bulb             | 5.5 ft                  | 5° F   | Changeover Stat  |  |
| T678F1002                      | 55° F to 85° F       | 2 SPDT        | Copper bulb             | 5.5 ft                  | 2.0° F   |  |  |

## FARM CONTROLLERS

### T631

Provide line voltage control of heating, cooling and ventilating systems in farm buildings or storage areas.

- Use in barns, poultry houses, hog barns, pump houses, milk houses and crop storage houses.
- Treated to resist corrosion.
- Slots in front and bottom of case provide maximum air circulation over the coiled sensing element.
- SPDT snap switches permanently sealed against corrosion.
- Easy mounting using screws through holes in back of case.



T631

## NEMA-IV CONTROLLER

### T631F, G

Provide line voltage control of heating, cooling and ventilating systems in farm buildings, storage areas and industrial environments; watertight, dust-proof enclosure.

- Use in barns, brooder houses, poultry houses, hog barns, pump houses, milk houses, crop storage houses and industrial environments.
- NEMA 4X enclosure protects thermostat and wiring connections from oil, water, dust, and corrosion.
- Clear plastic cover reveals setpoint, discourages tampering.
- Sensing element externally mounted for fast response and tin plated to resist corrosion.
- Reliable snap switches sealed against contamination.
- Insulated case has internal grounding screw for safety.
- Meet National Electrical Code Article 547-4 requirements.
- Easy mounting with screws through holes in flanges on case.



T631F, G

| Farm Controllers |                      |               |              |                  |
|------------------|----------------------|---------------|--------------|------------------|
| Part Number      | Setpoint Temperature | Relay Outputs | Differential | Comments         |
| T631A1006        | 35° F to 100° F      | 1 SPDT        | 2.0° F       | Red Finish       |
| T631A1022        | 70° F to 140° F      | 1 SPDT        | 2.0° F       | Red Finish       |
| T631A1030        | 0° F to 70° F        | 1 SPDT        | 3.0° F       | Red Finish       |
| T631A1063        | -10° F to +100° F    | 1 SPDT        | 3.0° F       | Red Finish       |
| T631A1113        | 35° F to 100° F      | 1 SPDT        | 3.5° F       | Red Finish       |
| T631A1154        | 0° C to 40° C        | 1 SPDT        | 1.1° C       | Scale in Celsius |
| T631B1005        | 35° F to 100° F      | 2 SPDT (1 hp) | 2.0° F       | Red Finish       |
| T631B1054        | 35° F to 100° F      | 2 SPDT (1 hp) | 2.0° F       | Red Finish       |
| T631C1012        | 20° F to 90° F       | 1 SPDT        | 3.0° F       | Gray Finish      |
| T631C1020        | 70° F to 140° F      | 1 SPDT        | 2.0° F       | Gray Finish      |
| T631C1038        | -10° C to +30° C     | 1 SPDT        | 1.7° C       | Scale in Celsius |
| T631C1046        | 20° C to 60° C       | 1 SPDT        | 1.1° C       | Scale in Celsius |
| T631C1053        | 35° F to 100° F      | 1 SPDT        | 2.0° F       | Gray Finish      |
| T631C1103        | -30° F to +100° F    | 1 SPDT        | 5.0° F       | Gray Finish      |
| T631F1068        | 35° F to 100° F      | 1 SPDT        | 2.0° F       | NEMA 4X Housing  |
| T631F1084        | 35° F to 100° F      | 1 SPDT        | 2.0° F       | NEMA 4X Housing  |
| T631F1092        | 35° F to 100° F      | 1 SPDT        | 2.0° F       | NEMA 4X Housing  |
| T631G1059        | 35° F to 100° F      | 2 SPDT (1 hp) | 2.0° F       | NEMA 4X Housing  |

# PROPORTIONAL TEMPERATURE CONTROLLERS

## T991

For modulating control of water or air temperature in ducts, tanks and similar applications.

- Fast response models (for duct mounting) have coiled sensing element giving at least four times faster response than standard models.
- Ambient temperature compensated for the case and tubing.
- Sensing element capillary tubing allows remote mounting of sensing element.
- Setpoint may be read and adjusted through cover.
- Throttling dial inside case adjusts proportional throttling range.



T991

| Proportional Temperature Controllers |                      |                  |                    |               |                              |                  |        |                  |                   |               |
|--------------------------------------|----------------------|------------------|--------------------|---------------|------------------------------|------------------|--------|------------------|-------------------|---------------|
| Part Number                          | Setpoint Temperature |                  | Modulating Output  | Relay Outputs | Element Type                 | Capillary Length |        | Throttling Range |                   | Comments      |
|                                      | °F                   | °C               |                    |               |                              | Feet             | Meters | °F               | °C                |               |
| T991A1004                            | 0° F to 100° F       | -18° C to +38° C | One 135 Ohm Output | N/S           | Copper bulb                  | 5 ft             | 1.5 m  | 3° F to 30° F    | 1.7° C to 16.7° C | N/S           |
| T991A1012                            | 0° F to 100° F       | -18° C to +38° C | One 135 Ohm Output | N/S           | Copper bulb                  | 20 ft            | 6.1 m  | 3° F to 30° F    | 1.7° C to 16.7° C | N/S           |
| T991A1061                            | 160° F to 260° F     | 71° C to 127° C  | One 135 Ohm Output | N/S           | Copper bulb                  | 5 ft             | 1.5 m  | 3° F to 30° F    | 1.7° C to 16.7° C | N/S           |
| T991A1079                            | 160° F to 260° F     | 71° C to 127° C  | One 135 Ohm Output | N/S           | Copper bulb                  | 20 ft            | 6.1 m  | 3° F to 30° F    | 1.7° C to 16.7° C | N/S           |
| T991A1095                            | 5° F to 95° F        | -15° C to +35° C | One 135 Ohm Output | N/S           | Copper bulb                  | 5 ft             | 1.5 m  | 3° F to 30° F    | 1.7° C to 16.7° C | Celsius Scale |
| T991A1103                            | N/S                  | -15° C to +35° C | One 135 Ohm Output | N/S           | Copper bulb                  | 20 ft            | 6.1 m  | 3° F to 30° F    | 1.7° C to 16.7° C | Celsius Scale |
| T991A1152                            | N/S                  | 75° C to 125° C  | One 135 Ohm Output | N/S           | Copper bulb                  | 5 ft             | 1.5 m  | 3° F to 30° F    | 1.7° C to 16.7° C | Celsius Scale |
| T991A1186                            | 55° F to 175° F      | 13° C to 79° C   | One 135 Ohm Output | N/S           | Copper bulb                  | 5 ft             | 1.5 m  | 3° F to 30° F    | 1.7° C to 16.7° C | N/S           |
| T991A1194                            | 55° F to 175° F      | 13° C to 79° C   | One 135 Ohm Output | N/S           | Copper bulb                  | 20 ft            | 6.1 m  | 3.5° F to 36° F  | 1.9° C to 20° C   | N/S           |
| T991A1210                            | 59° F to 167° F      | 15° C to 75° C   | One 135 Ohm Output | N/S           | Copper bulb                  | 5 ft             | 1.5 m  | 3° F to 30° F    | 1.7° C to 16.7° C | Celsius Scale |
| T991A1244                            | 55° F to 175° F      | 13° C to 79° C   | One 135 Ohm Output | N/S           | Copper bulb                  | 5 ft             | 1.5 m  | 3.5° F to 36° F  | 1.9° C to 20° C   | N/S           |
| T991A1269                            | 55° F to 175° F      | 13° C to 79° C   | One 280 Ohm Output | N/S           | Copper bulb                  | 20 ft            | 6.1 m  | 3.5° F to 36° F  | 1.9° C to 20° C   | 280 ohm       |
| T991A1343                            | 55° F to 175° F      | 13° C to 79° C   | One 280 Ohm Output | N/S           | Copper bulb                  | 5 ft             | 1.5 m  | 3.5° F to 36° F  | 1.9° C to 20° C   | N/S           |
| T991A1350                            | 55° F to 175° F      | 13° C to 79° C   | One 135 Ohm Output | N/S           | Copper averaging element     | 24 ft            | 7.3 m  | 3.5° F to 36° F  | 1.9° C to 20° C   | N/S           |
| T991A1426                            | 0° F to 100° F       | -18° C to +38° C | One 135 Ohm Output | N/S           | Copper bulb                  | 5 ft             | 1.5 m  | 3° F to 30° F    | 1.7° C to 16.7° C | N/S           |
| T991A1715                            | 0° F to 100° F       | -18° C to +38° C | One 135 Ohm Output | N/S           | Copper fast response element | 5 ft             | 1.5 m  | 3° F to 30° F    | 1.7° C to 16.7° C | N/S           |
| T991A1756                            | 55° F to 175° F      | 13° C to 79° C   | One 135 Ohm Output | N/S           | Copper fast response element | 5 ft             | 1.5 m  | 3.5° F to 36° F  | 1.9° C to 20° C   | N/S           |
| T991A1764                            | 0° F to 100° F       | -18° C to +38° C | One 135 Ohm Output | N/S           | Copper averaging element     | 24 ft            | 7.3 m  | 3° F to 30° F    | 1.7° C to 16.7° C | N/S           |
| T991A2069                            | 0° F to 100° F       | -18° C to +38° C | One 135 Ohm Output | N/S           | Copper fast response element | 20 ft            | 6.1 m  | 3° F to 30° F    | 1.7° C to 16.7° C | N/S           |
| T991A2127                            | 0° F to 100° F       | N/S              | One 135 Ohm Output | N/S           | Copper bulb                  | 5 ft             | 1.5 m  | 3° F to 30° F    | 1.7° C to 16.7° C | N/S           |

## PROPORTIONAL TEMPERATURE CONTROLLERS

### T915

For ducts, tanks, boilers, pipes and other heat exchangers.

- Provide proportioning control of three-wire, low-voltage valve or damper motors.
- Used to regulate temperatures of either air or liquids.
- All models ambient compensated.

- Ambient temperature compensation provides good temperature control.
- Temperature setting scale markings in both Fahrenheit and Celsius.
- Steel case has a clear plastic cover to make setting readily visible.
- Surface mount using two screws through back of case.



**Proportional Temperature Controllers**

| Part Number | Setpoint Temperature |                  | Modulating Output  | Relay Outputs | Capillary Length |        | Differential  |                   | Comments |
|-------------|----------------------|------------------|--------------------|---------------|------------------|--------|---------------|-------------------|----------|
|             | °F                   | °C               |                    |               | Feet             | Meters | °F            | °C                |          |
| T915C1407   | 15° F to 90° F       | -10° C to +32° C | One 135 Ohm Output |               | 20 ft            | 6.1 m  | 7° F to 38° F | 3.9° C to 21.1° C | N/S      |
| T915C1928   | 80° F to 210° F      | 27° C to 99° C   | One 135 Ohm Output |               | 5 ft             | 1.5 m  | 6° F to 32° F | 3.3° C to 17.8° C | N/S      |
| T915C1936   | 80° F to 210° F      | 27° C to 99° C   | One 135 Ohm Output |               | 20 ft            | 6.1 m  | 6° F to 32° F | 3.3° C to 17.8° C | N/S      |

## ELECTRONIC REMOTE TEMPERATURE CONTROLLERS

### T7079

Capable of providing on-off temperature control for ducts, tanks, heating and refrigeration units, greenhouses, animal confinement buildings and other applications where electronic accuracy in addition to remote sensing is desired.

- Choose from 1 or 2 SPDT relay models.
- Two stage models can be configured as 2 heat/2 cool, or 1 heat/1 cool.
- Switch selection of heat or cool mode.
- Temperature sensing up to 400 feet.

- Does not require field calibration.
- 10K NTC temperature sensor.
- Wide setpoint temperature range.
- LED annunciation for both power on and relay state.
- Dual setpoint scale (°F and °C).
- Models offered with built in isolation transformer for 24 Vac input.
- Dual-stage output models can be configured as 2 heat/2 cool, or 1 heat/1 cool.



T7079

**Electronic Remote Temperature Controllers**

| Part Number | Setpoint Temperature |                  | Relay Outputs | Power Input | Differential  |                 |
|-------------|----------------------|------------------|---------------|-------------|---------------|-----------------|
|             | °F                   | °C               |               |             | °F            | °C              |
| T7079A1004  | -25° F to +105° F    | -32° C to +40° C | 1 SPDT        | 24 Vac      | 1° F to 30° F | -17° C to +1° C |
| T7079A1012  | 100° F to 240° F     | 38° C to 116° C  | 1 SPDT        | 24 Vac      | 1° F to 30° F | -17° C to +1° C |
| T7079A1046  | -25° F to +105° F    | -32° C to +40° C | 1 SPDT        | 120/240 Vac | 1° F to 30° F | -17° C to +1° C |
| T7079A1053  | 100° F to 240° F     | 38° C to 116° C  | 1 SPDT        | 120/240 Vac | 1° F to 30° F | -17° C to +1° C |
| T7079B1028  | -25° F to +105° F    | -32° C to +40° C | 2 SPDT        | 24 Vac      | 1° F to 30° F | -17° C to +1° C |
| T7079B1036  | 100° F to 240° F     | 38° C to 116° C  | 2 SPDT        | 24 Vac      | 1° F to 30° F | -17° C to +1° C |
| T7079B1044  | -25° F to +105° F    | -32° C to +40° C | 2 SPDT        | 120/240 Vac | 1° F to 30° F | -17° C to +1° C |
| T7079B1051  | 100° F to 240° F     | 38° C to 116° C  | 2 SPDT        | 120/240 Vac | 1° F to 30° F | -17° C to +1° C |

**Learn More**

For more information on Honeywell Remote Temperature Controllers, call 1-800-466-3993 or visit [customer.honeywell.com](http://customer.honeywell.com).

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