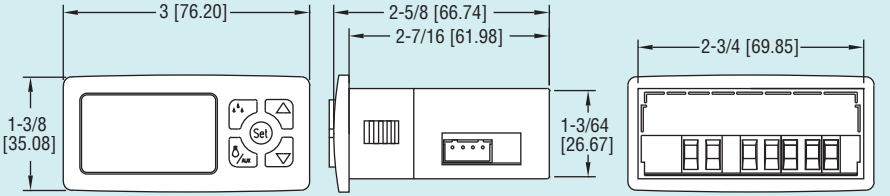
Series
TS3

Digital Temperature Switch

Field Selectable Engineering Units, Real Time Clock





The Series TS3 Digital Temperature Switch is the ideal control for on/off heating or cooling applications. This generation of controls has field selectable engineering units and temperature probe types in order to reduce the combination of parts that need to be stocked. A built-in real time clock is used for HACCP logging of temperature alarms caused by temperatures outside of their set limits or loss of power. For refrigeration applications, the defrost cycle can be initiated based on time or using the front panel keys. For programming multiple units, the model TS2-K configuration key can be used to quickly download parameter settings.

Model	Supply Power
TS3-50010	115 VAC
TS3-50020	230 VAC
TS3-50030	12 VAC/VDC
TS3-50040	24 VAC/VDC

ACCESSORIES
See page 280.

SPECIFICATIONS
Probe Range:
PTC: -58 to 302°F (-50 to 150°C);
NTC: -58 to 230°F (-50 to 110°C).
Input: PTC (1000Ω @ 25°C) / NTC (10KΩ @ 25°C).
Output: R1 SPDT relay resistive load 16A, inductive load 10 FLA, 60 LRA @ 240 VAC.
Horsepower Rating: 1HP @ 240 VAC.
Control Type: On/off.
Power Requirement: 115 VAC, 230 VAC, 12 VAC/VDC, 24 VAC/DC (±10%) depending on model.
Power Consumption: 3.6VA (115/230/24 V), 1.5VA (12V).
Accuracy: ±1% FS.
Display: 3 digits plus sign.
Resolution: 0.1°.
Memory Backup: Non-volatile memory.
Ambient Temperature: 32 to 131°F (0 to 55°C).
Weight: 2.3 oz (65 g).
Front Panel Rating: IP65.
Agency Approvals: CE, UL.