THERMAL PRODUCTS INC.
Engineered Solutions To Industrial Applications

TC4X Digital Temperature Controller in NEMA4X Enclosu

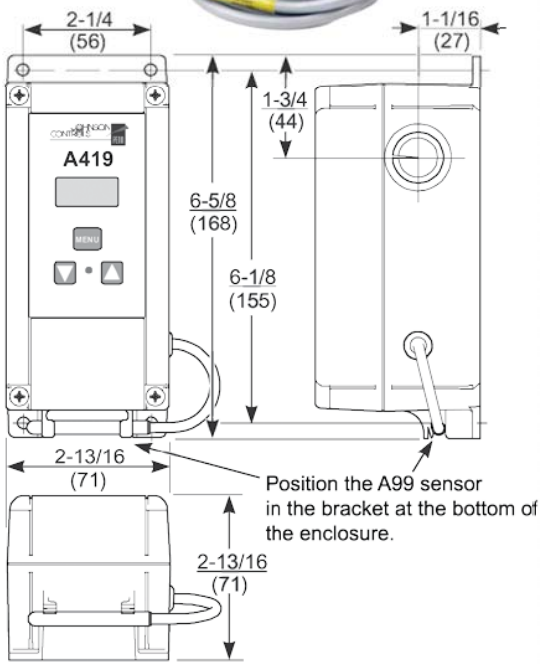
Product Highlights

- Simple digital controller suitable for outdoor applications
- Temperature control for heat tracing, freeze protection, and process maintenance applications
- Temperature range: -30 to 212°F (-34 to 100°C)
- A99BB type PTC sensor
- c UL us LISTED

Specifications:

- Single-stage, electronic temperature control with a single-pole, double throw (SPDT) output relay
- NEMA 4X* watertight, corrosion-resistant enclosure
- 120/240VAC, 60Hz
- 15 amps at 120VAC, 10 amps at 240VAC
- Set-point range is -30 to 212°F (-34 to 100°C)
- Displays in °F or °C
- Accuracy ±3% of reading
- Wide temperature differential adjustment range: 1 to 30°F or °C
- Adjustable anti-short cycle delay: 0 to 12 minutes in 1-minute increments
- Switch-activated temperature offset function
- Easy-to-read liquid crystal display (LCD) for viewing temperature and status
- LED indicates the controller's output relay On/Off status
- Lockable front panel touchpad
- A99BB type PTC sensor, extendable length, 1/4" (6mm) sensor diameter
- Remote sensing capability
- Field replaceable sensor

* requires NEMA4X rated fitting for electrical wiring (sold separately)



Ordering Information:

Part Number	Volts	Range	Sensor Lead Length
TC4X-1	120/240VAC	-30 to 212°F (-34 to 100°C)	9" (229mm)
TC4X-2	120/240VAC	-30 to 212°F (-34 to 100°C)	78" (1981mm)

Accessories:

Part Number	Description
41276-04	1/2" (13mm) diameter watertight conduit fitting suitable for NEMA 4 and 6 enclosures. Fits cable 0.17" to 0.45" (4 to 11mm) diameter.
A99BB-200C	A99BB Type PTC replacement sensor. 78" (1981mm) length.

CONTROLLERS

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