



& ASSOCIATES, INC.

heat tracing specialists

A419

NEMA 4X ELECTRONIC THERMOSTAT

Controls



Description

The A419 electronic temperature control is a single-stage, single-pole double-throw (SPDT), electronic temperature control. The control features a lockable, three button touchpad for setup and adjustment and an LCD which displays the sensed temperature and other control functions. A front panel LED indicates the output relay status. The control has a temperature range of -30°F to 212°F.

The A419 control has both heating and cooling modes with adjustable setpoint and differential, an adjustable anti-short cycle delay, and a temperature offset function. The control provides remote sensing capability, and electronic accuracy in a NEMA 4X watertight and corrosion resistant enclosure.

Features

- Easy-to-read LCD displays the sensed temperature and control function status clearly and custom icons on the display indicate the control and system status at a glance.
- The temperature differential adjustment range allows precise (1°F or °C) temperature differential settings that are much tighter than electromechanical controls.
- The Adjustable Anti-Short Cycle Delay (0-12 minutes in 1-minute increments) ensures that the output relay remains off for a user-set time delay and helps avoid hard starts, nuisance overload outages, and unnecessary equipment wear.
- The Noryl® high-impact thermoplastic type NEMA 4X enclosures allow watertight surface mount.
- Lockable front-panel touchpad allows easy setup and adjustment of the A419 control setpoint, differential, and other functions; a concealed jumper locks the touchpad.



TAD & Associates, Inc.
P.O. Box 2170
Canyon Lake, Texas 78133

Phone: 830.964.4435
Fax: 830.964.4441
<http://www.tad-associates.com>

Specifications

Type	Range	Differential	Sensor
SPDT	-30°F - 212°F	1°F - 30°F	6.5' PTC

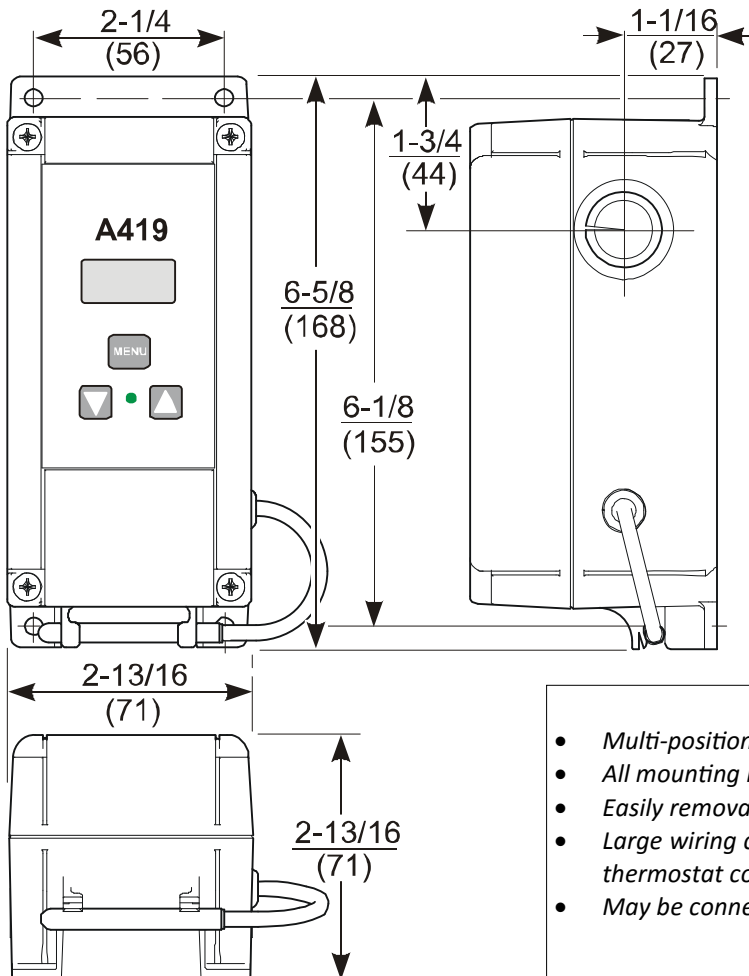
Ordering Information

Example Configuration	A419	Weight
A419	NEMA 4X Digital Thermostat	1.0 Lbs

Note: Sensor is for ambient or line sensing use.

Electrical Ratings

	120VAC	208VAC	240VAC	277VAC
Full Load Amps	16.0	9.20	8.00	6.90
Locked Rotor Amps	96.0	55.2	48.0	41.6
Non-Inductive Resistive Load Amps	15.0	10.0	10.0	8.70



Installation

- Multi-positional mounting meets new or existing wiring needs.
- All mounting holes are exterior to the enclosure.
- Easily removable knockouts in sides and top of enclosure.
- Large wiring compartment with watertight cover separated from thermostat compartment.
- May be connected to conduits.