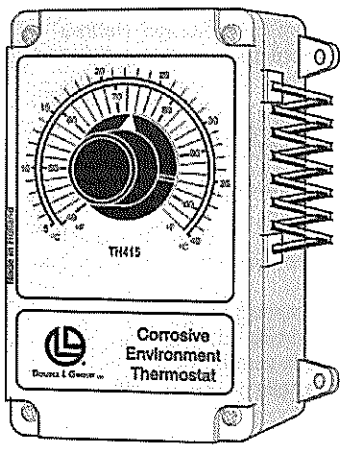
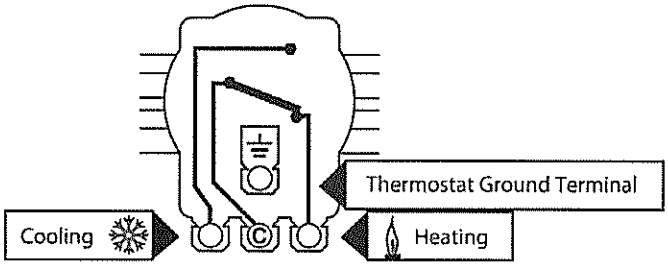


Weather-proof Corrosive Environment Thermostat TH215/415

The TH215/415 thermostat is designed to provide precise control of heating, cooling and ventilation systems. A 316 stainless steel sensing coil is mounted on the side of the watertight ABS plastic enclosure. The Corrosive Environment Thermostat is resistant to moisture and gases found in corrosive agricultural buildings. The TH215/415 will provide accurate temperature control with long life in livestock confinement buildings, greenhouses and warehouses.

WIRING DIAGRAM:



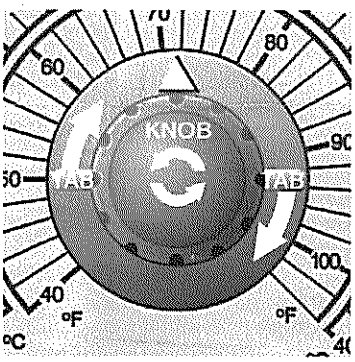
INSTALLATION

1. Remove the knock-out located on bottom of enclosure; break through the groove in several places with a screw-driver. A moisture proof conduit or cable gland is required.
2. Mount TH215/415 using flanges on outside of plastic enclosure.
3. Remove cover of enclosure for wiring.
4. Connect wires to apropriate terminals (heating or cooling).
5. Check wiring. Set dial to 40°C (104°F).

Connect power supply. Heating unit should come on (or cooling should remain off). Turn dial down to 4°C (40°F). Heating unit should shut off (or cooling turn on) as dial passes current room temperature. Turn dial back to 40°C (104°F). Heating should again turn on (or cooling off).

6. Replace cover.
7. Set dial to desired temperature.

Note: A thin coating of petroleum jelly or equivalent, should be maintained at the point of contact between the lid of the enclosured and the control knob.



CALIBRATION

Sometimes mechanical thermostats can lose calibration. If this happens the adjustable knob allows the thermostat to be recalibrated. To recalibrate follow these steps:

1. Place accurate thermometer next to stainless steel sensor. Allow thermometer to reach room temperature (1/2 hour to be safe) and be sure to keep hands away from sensor to prevent inadvertent heating.
2. Turn dial to 4°C (40°F).
3. Turn dial clockwise and stop when the component clicks. This point is what the thermostat reads as the current room temperature.
4. When the temperature indicated by the thermometer is higher than the temperature indicated by the thermostat, then turn knob portion clockwise to endstop and turn with the tabs the white arrow clockwise as far as required.

You can do the same when the temperature read from the thermometer is lower, except that you must turn the knob portion and the tabs counterclockwise.

5. To check the recalibration, turn the dial until a click is heard. The white arrow should point to the same temperature as that on the thermometer.

If not, repeat steps 2,3 and 4 until the white arrow and click are at the temperature on the thermometer.

SPECIFICATIONS TH215/TH415 Corrosive Environment Thermostat		
Art.no TH215 Art.no TH415	271180303	
Switch	Single SP-DT	
Range	40-104°F / 4-40°C	
Differential	2.5°F / 1.4°C	
Sensing element	Spiral stainless steel	
Terminals	4 screw type	
Enclosure: Watertight ABS plastic meets Nema 4x and NEC Article 547-4 requirements (IP54) when used with an appropiate cable gland (not included)		
ELECTRICAL RATINGS		
Volts A.C. 50/60 Hz	120V	240V
Full load amps.(inductive)	12A	10A
Locked rotor amps.	48A	36A
Full load amps.(resistive)	16A	16A
Pilot duty	125 VA/Watts	125 VA/Watts

SUPPLIER / *FOURNISSEUR / LEVERANCIER:*

004-1905