

## A419 Series Electronic Temperature Controls

### Changing the A419 control temperature units:



- To change the temperature units, press Up and Down ( arrows) simultaneously.

### A419 functions:

<u>Function</u>	<u>Range-Units/Value</u>	<u>Factory set value</u>
SP : Setpoint	-30 to 212°F (-34 to 100°C)	30
dIF : Différential	1 to 30° (F ou C)	5
ASd : Anti-Short Cycle Delay	0 to 12 minutes	1
OFS : Temperature Offset	0 to 50° (F ou C)	0
SF : Sensor Failure	0=output On 1=output Off	1

- **SP** establishes the temperature value at which the equipment is switched on or off.
- **dIF** establishes the difference in temperature between the cut-in and cutout value.
- **ASd** establishes the minimum time that the output relay remains de-energized before the next on-cycle.
- **OFS** establishes a offset on the temperature.
- **SF** establishes how the A419 control's output-relay operates the equipment in the event of a sensor failure.

### Setting the A419 Control Setpoint Value:



1. Press and hold **MENU** until the display flashes **SP**.  
(About 2 sec.)



2. Press **MENU** again to display the existing setpoint value.

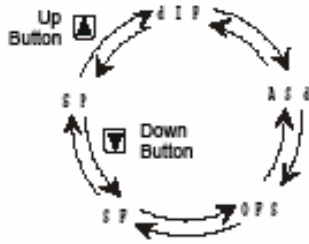


3. Press **Up** and **Down** (arrows) to change the setpoint value.



4. Press **MENU** again to save the new value. The display returns to the sensed temperature.

## Setting the other A419 Control Functions:



1. Press and hold **MENU** until the display changes to flashing **SP**. (About 2 sec.)



2. Press **UP** or **Down** (arrows) repeatedly until the desired function is displayed.



3. Press **MENU** to display the function's current value.



4. Press **UP** or **Down** (arrows) until the desired value is displayed.



5. Press **MENU** to save the new value. The display returns to the sensor temperature.

## Fault Code:

<u>Fault Code</u>	<u>Definition</u>	<u>System Status</u>	<u>Solution</u>
<b>SF</b> flashing alternately with <b>OP</b> .	Open temperature sensor or sensor wiring.	Output function according to the selector sensor failure mode <b>SF</b> .	Replace the sensor.
<b>SF</b> flashing alternately with <b>SH</b> .	Shorted temperature sensor or sensor wiring.	Output function according to the selector sensor failure mode <b>SF</b> .	Replace the sensor.
<b>EE</b>	Program failure	Output is off	Reset the control by pressing <b>MENU</b> . If problems persist, replace the control.