

210-421-A Dual Set Point Temperature Alarm

The **210-421-A Dual Set Point Temperature Alarm** includes an air temperature sensor and internal alarm buzzer. Two independently controlled relays are provided to operate external equipment such as alarm lights or sirens. The Temperature Alarm can function as a frost protection controller.

The back-lit LCD display is easily visible through the transparent cover. With the cover removed the unit is programmed by push-button controls without the need to connect a computer. All set points and the minimum and maximum temperatures are stored in non-volatile memory. DIP switch settings select the units (°F or °C) and enable/disable the buzzer.



Features

- Backlit LCD display
- Two independent alarm set points
- Internal 3A relays drive small non-inductive loads
- Programmable delay-before-on and delay-before-off timers
- Buzzer and flashing LEDs indicate alarm condition
- Push-button programming, no computer required

Ordering Information

210-421-A	Dual Set Point Temperature Alarm, includes sensor with 40' (12m) cable
200-WS-21P	Power Pack, 100-240Vac input / 12Vdc, 1A output
380-280	Solar Radiation Shield

210-421-A Dual Set Point Controller Specification

Display	LCD, 2x16 characters, 3x8 mm character size, backlit
Indicators	Green LED - Power, Red LEDs - Alarms
Setup	DIP switch: WIND/TEMP, MPH/KPH, DEG F/DEG C, BUZZER/DISABLE
Programming	Pushbutton: MENU, UP, DOWN, CLEAR, GO
Connections	All user connections 1/4" male spade terminals (connectors supplied)
Relay specifications	Form "C" (SPDT) N.O. and N.C. Contact rating: 3A @ 24Vdc / 115 VAC
Alarm ON / OFF delay range	0 to 99 seconds
Timing accuracy	± 2%
Measurement range	-40° to 160° F (-40° to 60° C)
Integration interval	2 seconds
Input Power	12V AC or DC, 150 mA (50 mA when backlight disabled)
Operating temperature	-20°C to +50°C
Mounting	Knock-outs in back surface for screw mounting to a panel
Dimensions	5.12 x 6.25 x 2.95 inch (13.0 x 15.9 x 7.5 cm)
Weight / Shipping	1 lbs (0.45 kg) / 2 lbs (0.9 kg)

110-WS-16T Temperature Sensor Specification

Type	Thermistor, 10K ohm @ 25°C ± 3%
Range	-40° to 160° F (-40° to 60° C)
Accuracy	± 1° F (± 0.56° C)
Probe case	Aluminum
Probe dimensions	2" L x 0.25" dia (51 mm L x 6.4 mm dia)
Cable	40 feet (12 m), 2-conductor, 24 AWG, shielded
Weight / Shipping	0.5 lbs (0.23 kg) / 1 lb (.45 kg)