

210-421W-A Dual Set Point Temperature Alarm

The **210-421W-A Dual Set Point Temperature Alarm** includes a 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 ($^{\circ}\text{F}$ or $^{\circ}\text{C}$) 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

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

210-421W-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-16TWS Water and Soil Temperature Probe

Type	Precision thermistor, 10k @ 25° C
Range	-40 to 140° F (-40 to +60° C)
Accuracy	±0.3° C
Time constant	60 seconds
Probe case	Stainless steel
Probe dimensions	3" L x 0.375" dia (76 mm L x 10 mm dia)
Cable	40 feet (12 m) 2-conductor, 18 AWG, shielded, direct burial
Weight / Shipping	1 lb / 2 lbs (0.45 kg / 0.91 kg)