

# DIGITAL TEMP°ALERT®



Bright LED display for low light conditions



DTA-1 (PN #1013)  
Temperature probe #1045 is standard on DTA-1

## ADDITIONAL FEATURES INCLUDE:

- Supervises a sensor line at any length up to 500' away from console.
- Display in °F or °C
- Provides SPDT output
- Adjustable high and low set points

The Digital Temp° Alert® (DTA-1) monitors temperatures from +32° to +130° F (0° to 55° C) with the standard sensor (PN# 1045), and -67° to 300° F (-55° to 150° C) with optional probes. Remote probes can be run up to 500 feet away from the console. If temperatures in the monitored area rise above or fall below your preset limits, the unit will provide a SPDT relay output to activate alarms, dialers, etc. This basic unit operates on 12VDC or AC.



**WINLAND  
ELECTRONICS, INC.**

Your Environmental Security Specialists®

# SPECIFICATIONS FOR DIGITAL TEMP ALERT DTA-1

SPECIFICATION	VALUE FOR DTA-1
Control Unit Display Range (Maximum)	+32° to +130° F ( 0° to +54° C )
Low Limit Adjust Range*	Sensor Dependent
High Limit Adjust Range*	Sensor Dependent
Recommended Sensor Cable	18 - 24 AWG twisted pair (shielded or unshielded)
Minimum Span (Rec. dist. between high & low set pts.)	4° F (2.2° C)
Temp/RH Accuracy of Probes	±3° F (±1.7° C) For Probes 1045, 1024, 1025 ±5° F (±28° C) For Probe 1026
Temp/RH Accuracy of Control Unit	±1.8° F (±1° C)
Temp/RH Response Time	Sensor Dependent
Temp/RH Sensing Element	Linear Transducer
Outputs (Not for high voltage use)	1 SPDT relay
Contact Output Rating (Not for direct high voltage switching)	1 AMP @ 30 VDC • 1 AMP @ 30 VAC 50-60 Hz
Input Voltage Requirements	8 to 14 VDC @ 200 mA • 8 to 14 VAC 50-60 Hz @ 10 VA min
Current Draw (Alarm condition)	225 mA @ 8-14 VDC
Control Box Material	ABS
Weight	13.6 oz. (386 g)
Dimensions	6.25" x 3.75" x 1.5" (15.9 cm x 9.5 cm x 5.1 cm)
Mounting	2 Key Holes in rear panel

\*TC = Time required to reach 63% of the temperature being monitored. Five time constants are required to reach 99% of the full reading.

## ACCESSORIES

DESCRIPTION	PART #	TEMP/RH RANGE
Std. Temp. Sensor [no cable, not for freezers or coolers]	1045	+32° to +220° F (0° to +105° C)
Low Temp. Sensor for coolers, etc. [15 ft. cable]	1024	-67° to +220° F (-55° to +105° C)
High Temp. Sensor for hot & dry areas [6 ft. cable]	1025	-67° to +300° F (-55° to +148° C)
High/Low & Liquid Temp. Sensor [3 ft. cable]	1026	-67° to +300° F (-55° to +148° C)
Accessory Time Delay Module TDL-120	1193	(1 to 120 minute time delay)



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