

TEMP°ALERT® 4



Four zone temperature and humidity alarm



DPM-4 (PN #1180 – 4 zones temperature and humidity)
Shown: DTA-4 (PN #1105 – 4 zones temperature only)

ADDITIONAL FEATURES INCLUDE:

- Four SPDT relay outputs plus the programming of separate high/low alarm limits for each zone.
- Supervised sensor lines at any length up to 500' away from console.
- Limits Lock for tamper proof limit settings.
- Alarm Latch for auto or manual clearing of zones.
- Accessory modules and sensors allow monitoring of freezers with defrost cycles and liquids.

Winland offers precise temperature and humidity monitoring with the four-channel Digital TempAlert® units (DTA-4, DPM-4). This unit's microprocessor controlled console scans and updates each zone 15 times per minute to monitor for potentially damaging temperature or humidity changes. The DTA-4 is capable of measuring any temperature from -67° to 200° F (-55° to +149° C) based on your choice of remote sensor. The DPM-4 measures two zones of temperature (same range as DTA-4) and two zones of humidity (5% to 95%RH). If temperature or humidity in any of the monitored areas rise or fall below your preset limits, the unit will provide a relay contact change which can activate any type of alarm panel, telephone dialer, wireless alarm system, etc.



WINLAND
ELECTRONICS, INC.

Your Environmental Security Specialists®

SPECIFICATIONS FOR TEMP ALERT 4 (DPM-4 & DTA-4)

SPECIFICATION	VALUE FOR DTA-4 & DPM-4
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 1106, 1107, 1108, M-001-0014 ±5° F (±2.8° C) For Probes 1109, 1109A • ±5% for Probe 1128
Temp/RH Accuracy of Control Unit	≤ 2%
Scan Rate With 4 Zones Active	Each zone is sampled 15 times per minute
Temp/RH Response Time	Sensor Dependent
Temp/RH Sensing Element	Linear Transducer
Inputs	4
Outputs (Not for high voltage use)	4 SPDT relays
Input Voltage Requirements	12 to 14 VDC ≤ 200 mA
Contact Output Rating	1 AMP @ 30 VDC (Not for direct high voltage switching)
Transistor Outputs	100 mA @ 12 VDC
Control Box Material	ABS
Weight	1 Pound (.45 kg)
Dimensions	6.55" x 4.40" x 1" (16.6 cm x 11.1 cm x 2.5 cm)
Mounting	Surface Mount or 3-gang box (#1110) 3-gang surface mount box

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

ACCESSORIES

Note: The DTA-4 and DPM-4 require a temperature sensor (not included) to operate.



DESCRIPTION	PART #	TEMP/RH RANGE or VOLTAGE
Std. Temp. Sensor [no cable, not for freezers or coolers]	1106	+32° to +220° F (0° to +105° C)
Temp. Sensor for coolers, etc. [15 ft. cable]	1107	-67° to +220° F (-55° to +105° C)
High Temp. Sensor for hot & dry areas [6 ft. cable]	1108	-67° to +300° F (-55° to +149° C)
High/Low & Liquid Temp. Sensor [3 ft. cable]	1109	-67° to +300° F (-55° to +149° C)
1/2" NTP Threaded Temp. Sensor	1109A	-67° to +300° F (-55° to +149° C)
Humidity Sensor HA-3 [if monitoring temp. in °C use part #1192]	1128	5% to 95% RH
Audible Alarm Module BZ-5	1183	5 VDC @ 3 mA
Accessory Time Delay Module TDL-120	1193	(1 to 120 minute time delay)
3 Gang Surface Mounting Box	1110	n/a
Wall Transformer	1111	110 VAC - 12 VDC regulated, 300mA



Mfg. in U.S.A. by:
 Winland Electronics, Inc.
 1950 Excel Drive
 Mankato, MN, 56001, U.S.A.
 Phone: (507) 625-7231
 Fax: (507) 387-2488
 www.winland.com