

SINGLE ZONE TEMP^o ALERT[®]



With programmable time delay and built-in temperature sensor



TA-2HLD (PN #M-001-0001)
Shown: TA-3HLD (PN #M-001-0002)

ENHANCED FEATURES:

- *Defrost cycle timer – adjustable delay 0 to 99 minutes*
- *Separate high & low set points*
- *Display in degrees Fahrenheit or Celsius*
- *Audible alarm with 10 minute Silence Timer (TA-3HLD only)*
- *Built in temperature sensor (+32° to +130°)*
Do not mount console directly in cooler or freezer
- *“HI” or “LO” messages appear in LCD display and the temperature reading flashes during an alarm condition*
- *Programming retained in memory if power is lost*
- *Limits lock for tamper proof settings*

The TA-2HLD & TA-3HLD by Winland Electronics Inc. are the low cost solutions for precise temperature monitoring. These TempAlerts[®] stop false alarms in hard-to-monitor applications such as freezers with defrost cycles. Both include a Programmable Time Delay Module (0 to 99 minutes) which postpones the relay output until the timer has expired. The TA-3HLD includes a built-in Audible Alarm with manual Alarm Silence Feature to suspend the audible alarm (but not the relays) for 10 minutes. Both include a built-in temperature sensor (+32° to +130° F (0° to 55° C)). Optional temperature probes available for extreme temperatures (-120° to +300° F (-85° to 148° C)) and remote sensing. If temperatures rise above or fall below your programmable limits, the unit's two SPDT relay outputs will activate an alarm, dialer, etc.



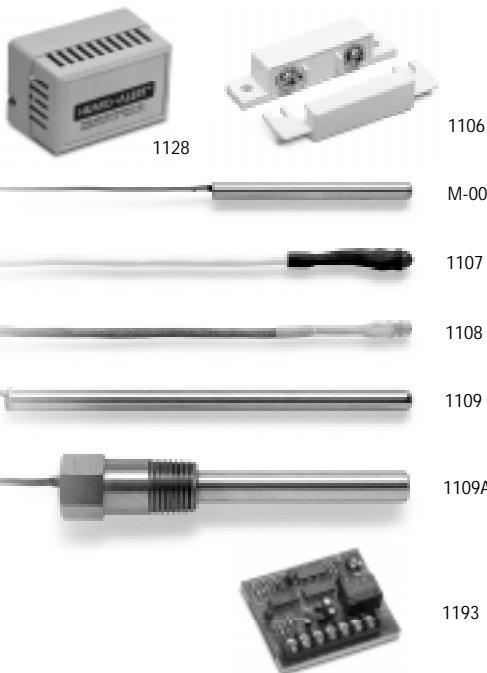
**WINLAND
ELECTRONICS, INC.**

Your Environmental Security Specialists[®]

SPECIFICATIONS FOR TA-2HLD AND TA-3HLD

SPECIFICATION	VALUE FOR TA-2HLD & TA-3HLD
Control Unit Display Range (Maximum)	-120° to 300° F (-85° to 148° 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	±.5° F (±.28° C) For Probes M-001-0014, 1109, 1109A ±3° F (±1.7° C) For Probes 1106, 1107, 1108, • ±5% for Probe 1128
Temp/RH Accuracy of Control Unit	≤ 2%
Temp/RH Response Time	Sensor Dependent
Temp/RH Sensing Element	Linear Transducer
Inputs	1
Outputs (Not for high voltage use)	2 SPDT relays
Input Voltage Requirements	12, 24 VDC @ 75mA – 12, 24 VAC @ 125mA
Contact Output Rating	1 AMP @ 30 VDC (Not for direct high voltage switching)
Control Box Material	ABS
Weight	1 Pound (.45 kg)
Dimensions	6.55" x 4.70" x 1" (16.6 cm x 11.9 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. Five time constants are required to reach 99% of the full reading.



ACCESSORIES

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)
Sub-Zero Temp. Sensor	M-001-0014	-120° to 32° F (-85° to 0° C)
Low 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 +148° C)
High/Low & Liquid Temp. Sensor [3 ft. cable]	1109	-67° to +300° F (-55° to +148° C)
1/2" NTP Threaded Temp. Sensor	1109A	-67° to +300° F (-55° to +148° C)
Humidity Sensor HA-3	1128	5% to 95% RH
Audible Alarm Module BZ-1	1183	12 VDC
Low-Profile Metal 3 Gang Surface Mounting Box	L-18-1	n/a
Wall Transformer	1111	110 VAC - 12 VDC regulated, 300mA



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