[AN034]



AND Device Temperature Sensors

Version 2.0

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U.S.A

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AND Device Temperature Sensors



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Static Electric Warning



TROUBLESHOOTING AND ADDITIONAL RESOURCES

Complete Support Site with User Guides & Help: http://www.anetdsupport.com/

Additional App Notes: http://www.anetdsupport.com/AppNotes

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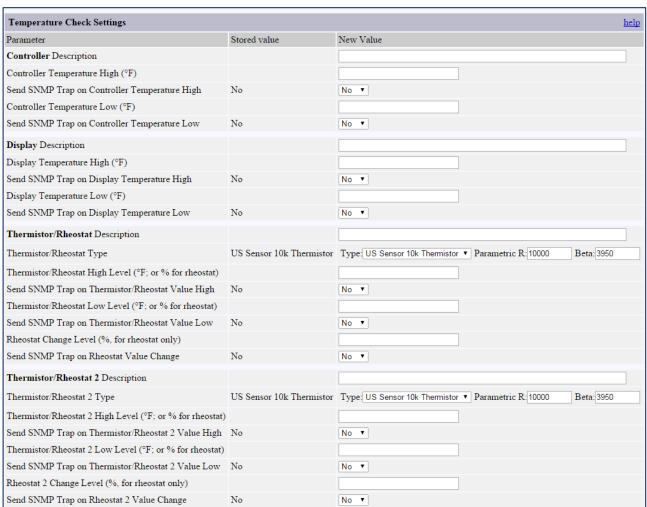
OVERVIEW

AND devices come equipped with several temperature sensors:

- The main controller board has one digital temperature sensor in its corner, U13.
- One or two display boards may connect to the main controller board. Each display board comes with an on-board digital temperature sensor in its corner, U14.
- The display board also includes a connector, J9, to which may attach an analog sensor -- either
 a thermistor used to measure remote temperatures, or a standard rheostat (variable resistor).

IP TEMPERATURE CHECK SETTINGS

On the web page interface, go to **Device Settings** \rightarrow **Peripherals** for the *Temperature Check Setttings* section (see below).







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POSSIBLE CONFIGURATIONS

| Configuration | Controller | Display | Temp / Rheostat 1 | Temp / Rheostat 2 | SNMP Report |
|---|--------------------------------------|--|---|--|-------------------------------|
| Controller Only / No Display | Controller Board U13 | Not Used | Not Used | Not Used | 1 Temp Sensor 0 Rheostats |
| | Reported in SNMP Temp Sensor 1 | | | | |
| Controller Plus Single Display | Controller Board U13 | Display Board U14 | Display Board's Thermistor / Rheostat Connector | Not Used | 3 Temp Sensors 1 Rheostats |
| | Reported in SNMP Temp Sensor 1 | Reported in SNMP Temp Sensor 2 | Reported in SNMP Temp Sensor 3 if a Temp Sensor, or Rheostat 1 if a Rheostat | | |
| Controller Plus 2 Displays / "Double Wide" Configuration (Connector "Display 0" | Controller Board U13 | U14 on Right Display Board (Connected to "Display 1" Connector) | Thermistor / Rheostat Connector for Display Board Connected to "Display 0" Connector (the left display) | Thermistor / Rheostat Connector for Display Board Connected to "Display 1" Connector (the right display) | 4 Temp Sensors 2 Rheostats |
| connects to the left display and "Display 1" connects to the right display) | Reported in SNMP Temp Sensor 1 | Reported in SNMP Temp Sensor 2 | Reported in SNMP Temp Sensor 3 (for Temp Sensor) or Rheostat 1 (for Rheostat) | Reported in SNMP Temp Sensor 3 (for Temp Sensor) or Rheostat 2 (for Rheostat) | |
| Controller Plus 2 Displays / "Double Sided" Configuration (Both displays show the | Controller Board U13 | U14 on Display Board (Connected to Controller Connector "Display 0") | Thermistor / Rheostat Connector for Display Board Connected to "Display 0" Connector | Thermistor / Rheostat Connector for Display Board Connected to "Display 1" Connector | 4 Temp Sensors 2 Rheostats |
| identical content at all times) | Reported in SNMP Temp Sensor 1 | Reported in SNMP Temp Sensor 2 | Reported in SNMP Temp Sensor 3 (for Temp Sensor) or Rheostat 1 (for Rheostat) | Reported in SNMP Temp Sensor 3 (for Temp Sensor) or Rheostat 2 (for Rheostat) | |



