NTI e-5d-ind48vlt Industrial Medium Enterprise Environment Monitoring System for Low/High Temperature Environments/48VDC Power

RJ45 Sensor Ports

- Five RJ45 modular jacks for connecting NTI temperature, humidity, temperature/humidity, liquid detection, smoke detection, glass break, vibration and motion sensors.
    - Two levels of user-defined alerts – non-critical and critical.
- Provides +12 VDC, 100 mA for each port

Digital Inputs

- Five screw terminal pairs for connecting dry contact devices.
- Potential-free
- Input voltage: 0VDC to +25VDC
- Over-voltage surge protection
- Maximum resistance to close contact: 300K Ohm

Output Relays

- Two screw terminals pairs.
- Potential-free relay switch contacts.
- Normally open / normally closed connection points.
- Maximum switching load: 0.5A at 125VAC, 1A at 30VDC, 0.5A at 48VDC.

Alarm Port

- One screw terminal pair.
- Provides +12VDC, 180 mA to supply an alarm beacon or siren.
- Fuse protection

AUX Power

- One screw terminal pair.
- Provides +12 VDC, 500 mA.

RS232 AUX Port

- One RJ45 port for connecting a serial GSM modem or a remote serially-controlled device.

USB Device Ports

- Four female USB Type A connectors for connecting USB modem or for downloading log data to USB flash drive.

USB Console Port

- One female USB Type B connector for connecting a PC for serial terminal access.

Ethernet Port

- One 10/100 Base-T Ethernet port with RJ45 Ethernet connector.
    - Supports full- and half-duplex.

Power

- Dual DC power.
    - If the first power source fails, the unit will automatically, without interruption, switch over to the second power source before switching to the optional battery backup.
- Input: 100 to 240 VAC at 50 or 60 Hz via AC adapter.
    - Includes one country-specific AC adapter. The second AC adapter is sold separately.
- Output: 9 VDC, 3A
- Power Consumption: 15W
- E-5D-IND48VLT
    - Accepts 36~72VDC (48VDC nominal).
    - For installation in a 48V Telecom environment.
- Use the PWR-48V-12V1-6A DC-DC power converter to install all other E-5D units in a 48V or 24V Telecom environment.
    - E-5DB-IND requires the PWR-48V-12V1-6A-55x25 DC-DC power converter.

MTBF

- E-5D: 170,344 hours.

Protocols

- HTTP/HTTPS, SNMP V1/V2c/V3, SMTP, TCP/IP, Syslog, SNTP, DHCP, SSHv2, SSLv3, TLS, LDAPv3, XOAUTH2, AES 256-bit, 3DES, Blowfish, RSA, EDH-RSA, Arcfour, IPV6, WAP 2.0, RADIUS
  - Support for XOAUTH2 provides higher security authentication for email accounts (e.g. Gmail).
- Compatible with any SNMP management software.
  - The unit can be polled via SNMP.
- Operates and configures via HTTP/HTTPS web page, Telnet, SSH, or USB/RJ45 serial interface.
- An IP address can be assigned to the E-5D automatically by a DHCP server.
- Generates SNMP traps, email alerts, syslog messages, and SMS messages (via USB 3G modem).
  - Alerts are posted in event log, which is accessible through Web user interface.
  - Email alerts can be sent to 17 addresses.
  - Users can configure the schedule for when they will be alerted, as well as customize the e-mail subject line for each sensor alert.
  - SNMP traps have unique OID's (Object Identifiers) for each sensor.

Internal Temperature Sensor

- E-5D-IND48VLT: -40 to 185°F (-40 to 85°C)
  - Accuracy:
    - ±1.62°F (±0.90°C) for -40 to 14°F (-40 to -10°C).
    - ±0.72°F (±0.40°C) for 14 to 185°F (-10 to 85°C).

Internal Humidity Sensor

- Applications from:
  - E-5D: 20% to 80% relative humidity at 32 to 140°F (0 to 60°C), ±3%
    - Accuracy:
      - 15 to 80% relative humidity, ±3%
      - 80 to 90% relative humidity, ±4%

Dimensions

- WxDxH:
  - E-5D(-D): 7.88x3x1.75 in (200x76x44 mm)

Weight

- E-5D: 1.0 lb (0.45 kg)

Environmental

- E-5D-IND48VLT: -40 to 185°F (-40 to 85°C)

Storage temperature:

- E-5D: -22 to 140°F (-30 to 60°C)
- E-5D-INDLT/IND48VLT: -40 to 185°F (-40 to 85°C)
- Operating /Storage Relative Humidity: 15 to 90% non-condensing RH.

Regulatory Approvals

- CE, RoHS

Warranty

- Two years