CORMAN TECHNOLOGIES INC.

Technical Product Specifications

CT-N805

CorNet ARCNET Diagnostic Hub 8 Port Coax CE

DESCRIPTION

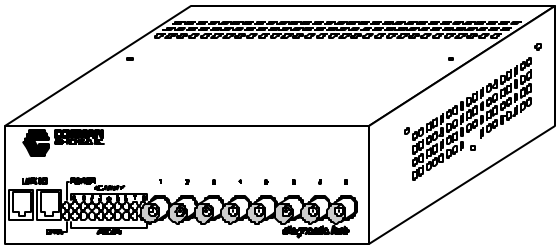
This is an ARCNET hub with diagnostic LEDs and linking ports. The CT-N800 series of hubs was created to fill a need for an ARCNET hub with additional diagnostic capabilities for tracking down reconfiguration problems without resorting to the complexity and cost of an "Intelligent Hub". These hubs are built to withstand a wide range of temperature and power line voltage swings. The hubs maintain full output levels even when running at maximum temperature and data traffic loads. This stability is provided through the use of a switching regulator in the power supply and attention to detail in the output driver section. The switching regulator produces less heat and withstands brownouts better than a linear regulator. Proper thermal design ensures that heat produced in the output drivers is dissipated via convection air currents in any acceptable mounting position.

OPERATING ENVIRONMENT

• Power	120 VAC +6%/- 10% @ l60 mA 240 VAC +6%/- 10% @ 80 mA 50 Hz or 60 Hz
• Operating Temperature	0°C to 55°C
• Humidity	5% to 80% (non-condensing)

ARCNET LAN INTERFACE

• Transmit level	15.4 Vp-p
• Receive Sensitivity	3.0 Vp-p
• Impedance	93 ohm coax
• Connectors	BNC connectors



PHYSICAL SPECIFICATIONS

• Height	2.75 inches
• Width	8.5 inches
• Depth (including connectors)	7.5 inches
• Weight	5 pounds

Included with the hub are two mounting brackets and four bolts for attaching the brackets to the hub. A link cable and one terminator are included for expanding the hub configuration to add more ports or to connect hubs with different types of media. A detachable power cord is also included.

INSTALLATION CONSIDERATIONS

Coax Cable type

- RG62A/U 93 ohm with BNC connectors

Coax Distances

- From node to hub 2000 ft.
- Total network span up to 22,000 ft. (using standard time-outs)
- Maximum of 10 active hubs may be between any two nodes on the network

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Mounting

- 19" EIA rack mountable
- wall mountable
- stackable (up to 4 hubs)

CONFORMS TO THE FOLLOWING STANDARDS

- ARCNET: ANSI 878.1
- EMC: EN55022:1994 (Emissions)
  CISPR 22 1993-12 Class A
  FCC Part 15 Class A
  EN 50082-1 (Immunity)
  IEC 801-2:1991
  8KV Contact, 8KV Air
  IEC 801-3:1984
  3V/m
  IEC 801-4:1988
  0.5 KV Signal line,
  1 KV Power line
- Safety: EN 60950:1992/A1:1993
  IEC 950:1991+A1:1992+A2:1993
  UL 1950, cUL (CSA 950 accepted equivalent)

- Products are marked as certified to the CE standards.

Before any unit can leave the factory, an intensive elevated temperature burn-in procedure is performed. Our workmanship and quality control is focused towards the goal of customer satisfaction.

Specifications subject to change without notice.