

APPEARANCE



DESCRIPTION

The ComNet™ CNFE8(X)COE transmits eight contact closures over an Ethernet network. It is available with a 10/100TX RJ45 Ethernet connector and an SFP fiber optic interface. These units can be one-to-one mapped over Ethernet or controlled via a PC. Included is a driver that allows the CoE to read or write contact information from a PC based application. A software utility allows customers to search for this device that is installed on the network. The CNFE8TCOE transmitter and CNFE8RCOE receiver support Windows® Discovery. Distances depend on which SFP (Small Form Pluggable) module is used. The CNFE8(X)COE is environmentally hardened to operate in extreme temperatures. LED indicators are provided for confirming operating status. Packaged in the ComNet ComFit housing, these units may be either wall, rack, or DIN-rail mounted with the addition of the ComNet DINBKT1 adaptor plate.

APPLICATIONS

- › Access Control Systems
- › Building Automation and Environmental Control Systems
- › Computer/Data Equipment
- › Fire and Alarm Systems
- › Traffic Signal Control Equipment

FEATURES

- › NTCIP compatible
- › Remote network configuration
- › Saved to a web server based configuration, requires no electrical or optical adjustments
- › Tested and certified by an independent laboratory for full compliance with the environmental requirements (ambient operating temperature, mechanical shock, vibration, humidity with condensation, high-line/low-line voltage conditions and transient voltage protection) of NEMA TS-1/TS-2 and the Caltrans Specification for Traffic Signal Control Equipment.
- › Voltage transient protection on all power and signal input/output lines provides unconditional protection from power surges and other voltage transient events.
- › Power and Port status LED indicators
- › Automatic resettable solid-state current limiters
- › Hot-swappable rack modules
- › Interchangeable between stand-alone or rack mount use – ComFit
- › Lifetime Warranty

SFP: Small Form-factor Pluggable Module

SPECIFICATIONS

Contact

Response Time: 25 msec typical, network dependent
 Input/Output Channels: 8
 Inputs: Dry Contact Input
 Outputs: 0 – 250V, 190mA (AC or DC)

Ethernet

10/100TX, 100FX

Number Of Fibers

1 or 2, SFP dependent

Fiber Connectors*

Requires selection of sold-separately SFP modules. See ComNet data sheet for number and description of SFP modules.

Connectors

Power: Terminal Block
 Optical: LC or SC (SFP dependent)
 Data: RJ45
 Contact Closure: Terminal Block

LED Indicators

- Power - Link
 - Com - Contact Closure

Electrical & Mechanical

Power: 9–12 VDC @ 350 mA
 Surface Mount:
 Rack: From Rack
 Number of Rack Slots: 1
 Current Protection: Automatic Resettable Solid-State Current Limiters
 Circuit Board: Meets IPC Standard
 Size (in./cm) (L×W×H): 6.1 × 5.3 × 1.1 in. (15.5 × 13.5 × 2.8 cm)
 Shipping Weight: <1 lb./0.45 kg

Environmental

MTBF: >100,000 hours
 Operating Temp: -40° C to +75° C
 Storage Temp: -40° C to +85° C
 Relative Humidity: 0% to 95% (non-condensing)†



* Multimode fiber needs to meet or exceed fiber standard ITU-T G.651. Single mode fiber needs to meet or exceed fiber standard ITU-T G.652

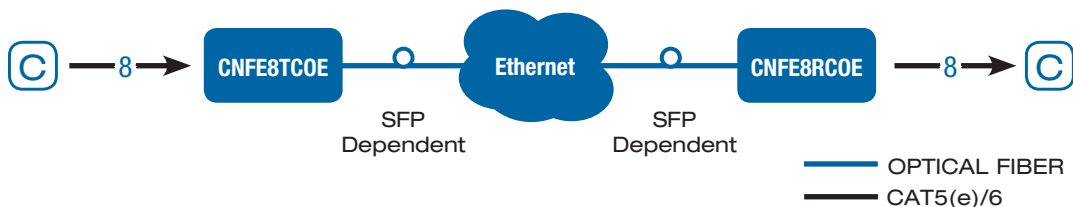
† May be extended to condensation conditions
 ‡ Distance may be limited by optical dispersion.

ORDERING INFORMATION

| Part Number | Description | Fibers Required | Optical Power Budget | Maximum Distance‡ | # Rack Slots |
|-------------|--|-----------------|----------------------|-------------------|--------------|
| CNFE8TCOE | Contact to Ethernet Transmitter | SFP Dependent | SFP Dependent | SFP Dependent | 1 |
| CNFE8RCOE | Contact to Ethernet Receiver | | | | |
| Accessories | 9 Volt DC Plug-in Power Supply, 90–264 VAC, 50/60 Hz (Included) | | | | |
| Options | Add 'C' for Conformally Coated Circuit Boards (Extra charge, consult factory) | | | | |
| | DIN-Rail Mounting Adaptor Plate Kit – With mounting hardware (Optional, order model DINBKT1) | | | | |

NOTE: This product requires a fiber installation with a minimum 30 dB connector return loss. The use of Super Polish Connectors is recommended. Complies with FDA Performance Standard for Laser Products, Title 21, Code of Federal Regulations, Subchapter J. In a continuing effort to improve and advance technology, product specifications are subject to change without notice.

TYPICAL APPLICATION



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