



The ComNet CNFE8(X)COE transmits eight contact closures over an Ethernet network. It is available with a 10/100TX RJ45 Ethernet connector and a 100FX SFP fiber optic combo port. 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.

## 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 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

## APPLICATIONS

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

\* Small Form-Factor Pluggable Module. Sold separately.

## 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

### Optical Fiber

Fiber and connector type and distance are dependent on selection of sold-separately SFP modules. See ComNet data sheet for number and description of SFP modules.

### Optical Emitter

Laser Diode

### Connectors

Optical	SFP dependent
Power	Terminal Block
Data	RJ45
Contact Closure	Terminal Block

### LED Indicators

- Power
- Link
- Com
- Contact Closure

### Power

Operating Voltage	9 to 12 VDC
Max. Power Consumption	5 W

### Electrical & Mechanical

Surface Mount	Wall or Flat Surface Screw Attachment
Number of Rack Slots	1
Current Protection	Automatic Resettable Solid-State Current Limiters
Circuit Board	Meets IPC Standard
Size	6.1 × 5.3 × 1.1 in (15.5 × 13.5 × 2.8 cm)
Shipping Weight	<2 lbs./0.9 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) <sup>1</sup>

AGENCY COMPLIANCE  
**FC** PART 15  
 COMPLIANT



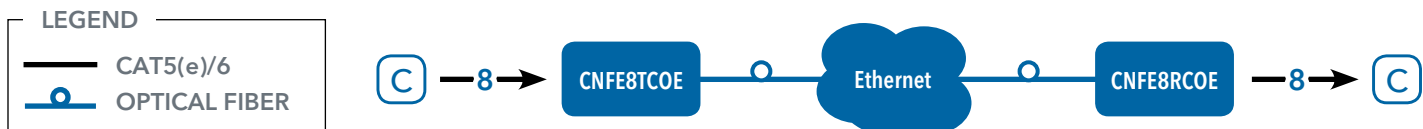
**MADE IN THE  
 USA**

## ORDERING INFORMATION

Part Number	Description
CNFE8TCOE	Contact to Ethernet Transmitter
CNFE8RCOE	Contact to Ethernet Receiver
Included Accessories	DC Plug-in Power Supply, 90-264 VAC, 50/60 Hz (Included, for benign 0° to 50°C applications only. Hardened power supply available, consult factory)
Options	[1] Add suffix 'C' for Conformally Coated Circuit Boards to extend to condensation conditions (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 APPLICATIONS



Low Power Consumption