

## FN-CTM CITY TIE MODULE



SPECIFICATIONS	
Operating Voltage	12 ~ 30 VDC
Average Current Consumption	0mA (Standby)
Alarm Current	1A for 0.5 seconds
Ambient Temperature	32°F (0 C) ~ 120°F (49C)
Maximum Humidity	90% RH, non-condensing
Dimensions	4.2"W X 4.7"H X 1.1"D
Weight	Approximately 3.0 ounces
Mounting	4" square electrical box

### STANDARD FEATURES

- Interfaces Fire Alarm Control Panels to a Local Energy type City Tie monitoring circuit
- Integrates Fire Alarm Control Panel EOL device into module for supervision of interface wiring
- Wide operating voltage
- Power limited operation
- Transient protection
- Terminals accept up to 14 AWG wire
- Mounts to a standard 4" electrical back box

### DESCRIPTION

The FN-CTM City Tie Module is used to connect a Fire Alarm Control Panel to a Local Energy type City Tie Monitoring circuit. The FN-CTM City Tie Module circuit provides the power necessary to trip the Master Box Trip Coil when the Fire Alarm Control Panel goes into alarm.

The City Tie Circuit is capable of providing 1A for 0.5 seconds to operate the Master Box Trip Coil. The wiring is supervised to the Master Box by placing the Fire Alarm Control Panel EOL device on the terminals of the FN-CTM City Tie Module.

### PRODUCT LISTINGS



UL 864, NFPA 70 & 72:  
Signaling Device  
S8255 Vol. 2



California  
State Fire  
Marshal  
7170-0410:170

Specifications subject to change without notice.

Continued on back.

## ENGINEERING SPECIFICATIONS

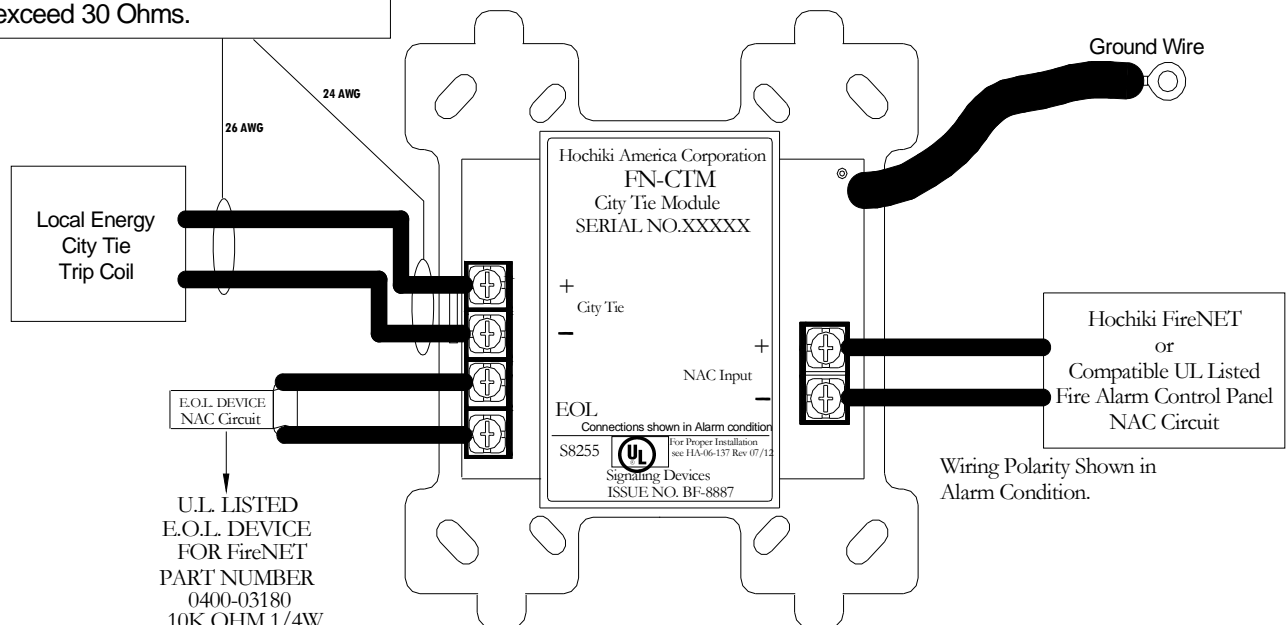
The contractor shall furnish and install where indicated on the plans, the Hochiki America FN-CTM City Tie Module. The module terminal blocks shall be capable of accepting up to 14 AWG wire. The FN-CTM shall be configured such that the Fire Alarm Control Panel's EOL (end of line) device connects directly with the FN-CTM to ensure supervision of the interface wiring. The module shall fit into a standard 4" electrical back box. The FN-CTM shall be Underwriter's Laboratories Listed for the intended purpose.



Rear view of FN-CTM City Tie Module

## WIRING DIAGRAM

Note: When City Tie wiring leaves the building, install 26 AWG wire between the City Tie module and the Trip Coil. A short length of 24 AWG wire must be used to interface between the 26 AWG and the City Tie Module terminal block. Maximum coil resistance and wire resistance must not exceed 30 Ohms.



All Wiring is Power Limited, Connect only to Power Limited Circuits.

For Use Only With Supervised Circuits.