



INSTALLATION INSTRUCTIONS FOR THE FN-CTM CITY TIE MODULE

The information contained in this installation instruction is a quick reference guide. For detailed system information refer to the panel manufacturers installation manual.

GENERAL DESCRIPTION

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

MOUNTING REQUIREMENTS

The City Tie Module has one mounting option. See figure 1.
Connect Green ground wire to a grounded electrical box as shown in figure 1.

WIRING

NOTE: All wiring must conform to local codes, ordinances and regulations.

- 1) Install module wiring in accordance with the job drawings and appropriate wiring diagram (see figure 2).
- 2) Secure the module to a U.L. listed electrical box (supplied by installer), as shown in Figure 1.

CAUTION !!!

INSTALL THE MODULES IN THIS INSTRUCTION IN ACCORDANCE WITH APPLICABLE NFPA STANDARDS, LOCAL CODES, AND THE AUTHORITIES HAVING JURISDICTION. FAILURE TO FOLLOW THESE INSTRUCTIONS MAY RESULT IN FAILURE OF THE SYSTEM TO OPERATE AS INTENDED.
HOCHIKI AMERICA IS NOT RESPONSIBLE FOR MODULES THAT HAVE BEEN IMPROPERLY INSTALLED, TESTED, OR MAINTAINED.

CAUTION !!!

TO ENSURE PROPER OPERATION CONNECT THIS MODULE TO A COMPATIBLE FIRE CONTROL PANEL ONLY. REFER TO PANEL INSTRUCTIONS FOR PROPER CONNECTION AND COMPATIBILITY.

CAUTION !!!

IF THIS MODULE WILL BE INSTALLED IN AN EXISTING OPERATIONAL SYSTEM, INFORM THE OPERATOR AND LOCAL AUTHORITY THAT THE SYSTEM WILL BE TEMPORARILY OUT OF SERVICE. DISCONNECT POWER TO THE CONTROL PANEL BEFORE INSTALLING THE MODULE.

SPECIFICATIONS

Working Voltage Range	12 VDC ~ 30 VDC
Current Consumption	Standby: 0 mA Alarm: 1A for 0.5 seconds
End of Line Device for Input	U.L. Listed EOL device Part No. 0400-01046 (10K Ohm 1/4W)
Humidity Rating	89.6°F (32°C) @ 93% R.H.
Dimensions	4.2"W X 4.7"H X .85"D
Weight	Approximately 3.0 ounces
Environment	32°F (0°C) to 120°F (49°C). For indoor use only

GROUND WIRE

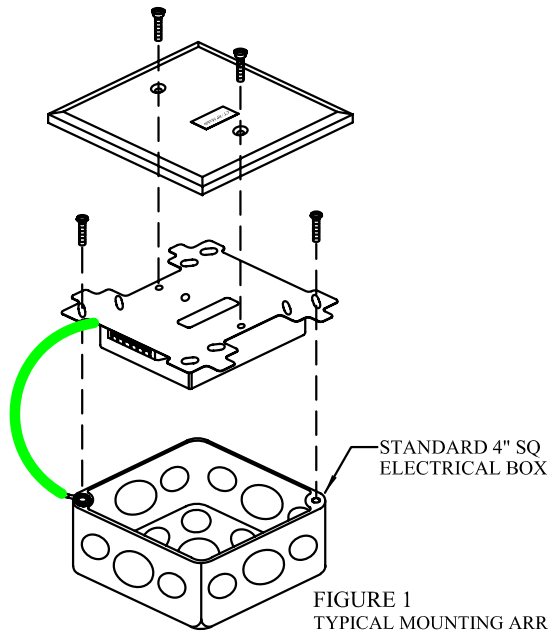


FIGURE 1
TYPICAL MOUNTING ARRANGMENT

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.

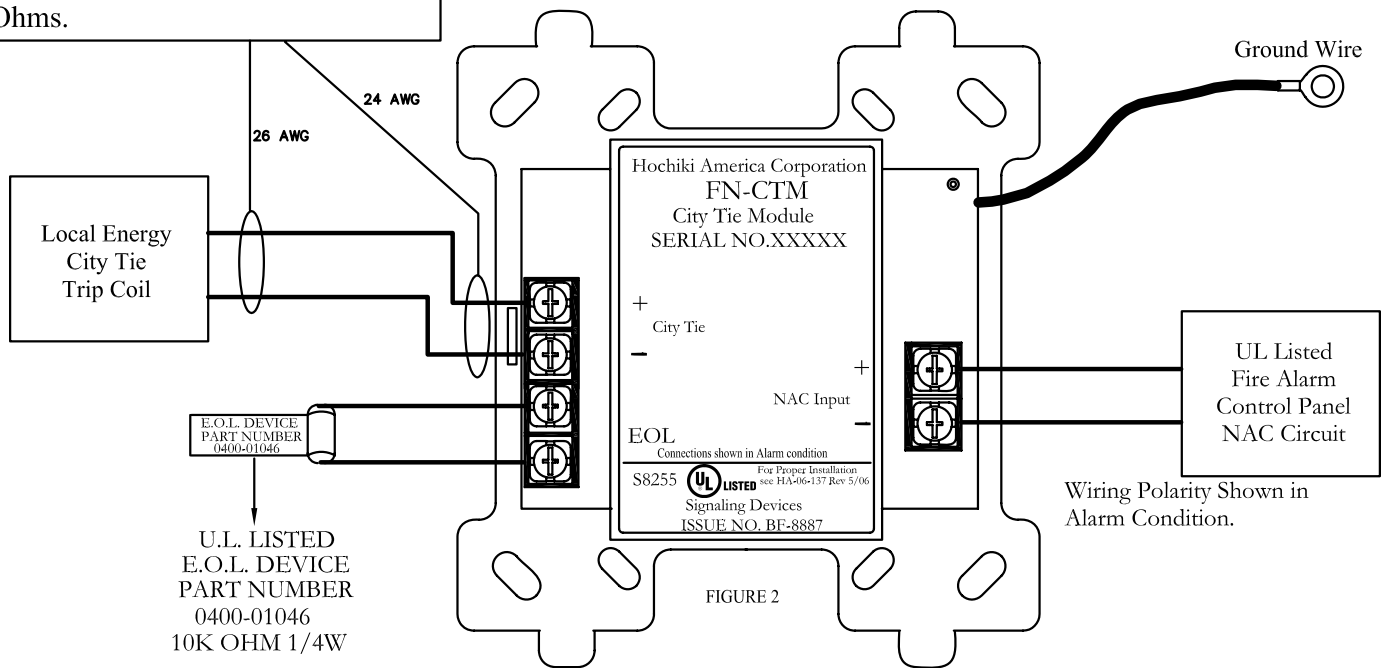


FIGURE 2

All Wiring is Power Limited, Connect only to Power Limited Circuits.
For Use Only With Supervised Circuits.

One Year Limited Warranty

Hochiki America (HA) warrants its digital communication modules to be in conformance with its own plans and specifications and to be free from defects in materials and workmanship under normal use and service for a period of one (1) year from date of delivery. All warranties are void and HA is not obligated to repair or replace equipment which has been repaired by others, abused, improperly installed, altered or otherwise misused or damaged or exposed to conditions outside the products specifications in any way. HA will not be responsible for any dismantling, reassembling or re-installation charges. Please contact HA's Sales department for proper procedure for claims and return of merchandise. This warranty is in lieu of all other warranties expressed or implied.