

# FenwalNET-2000

## City Tie Module



A UTC Fire & Security Company

F-74-209

### FEATURES

- Field Programmable Local Energy, Shunt Trip or Reverse Polarity Output
- Conforms with NFPA 72-1993
- Service Disconnect Switch

### DESCRIPTION

The City Tie Module provides the Kidde® PEGAsys™ system with an output for remote alarm and trouble annunciation to Municipal Fire Departments, Central Stations, or other Supervisory control centers. The module meets the requirements of NFPA 72-1993, Auxiliary Protective Signaling Systems, when programmed for Local Energy Output. It meets the requirements of NFPA 72 when programmed for Reverse Polarity Output. The module is controlled by the Central Control Module and will be actuated during any alarm condition.

A disconnect switch disables the output when necessary for system testing. When the disconnect switch is operated, a trouble condition is initiated on the system. Alarms will not be transmitted to the connected receiving station while the disconnect switch is activated.

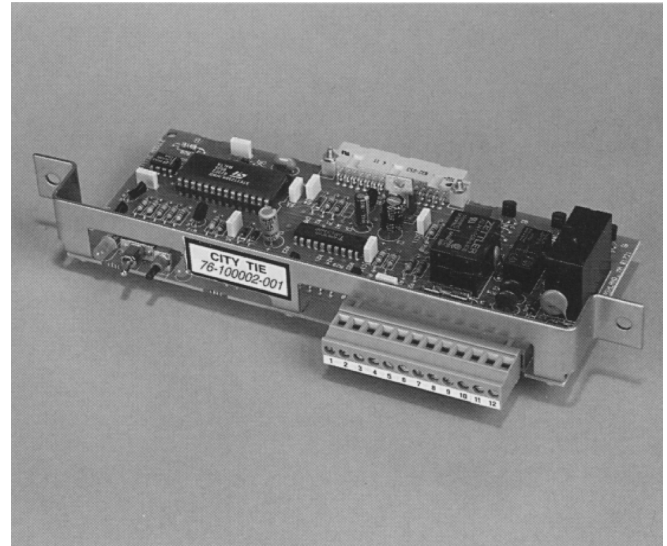
When the module is programmed for Local Energy Output, the circuit wiring is series supervised through the coil of the remote device.

The City Tie Module placement and presence in the Motherboard is monitored by the Central Control Module. Removal of the module or incorrect location will result in a trouble condition.

With the Kidde PEGAsys unique FailSoft™ feature, alarms can be received and reported through the City Tie Module even in the event of a system CPU failure.

### INSTALLATION

The City Tie Module is housed and secured in the Motherboard Assembly. One City Tie Module may be installed in the system.



### TECHNICAL INFORMATION

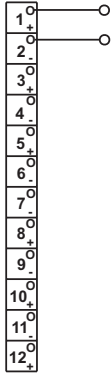
Shunt Contact Rating:	5 Amps at 24 Vdc, Resistive
Local Energy Output Rating:	500 mA maximum @ 24Vdc, current limited
Local Energy Supervisory Current:	11 mA
Local Energy Load:	Master Box Trip Current 0.25A typ.
Modules Per System:	1
Operating Temperature:	32° to 120° F

### ORDERING INFORMATION

Part Number	Description	Shipping Wt.
74-200002-001	City Tie Module	1 lb.

# WIRING DIAGRAM

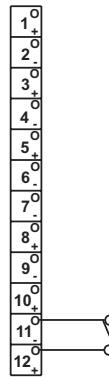
## REVERSE POLARITY



TERMINAL STATES

TB1	STANDBY	TROUBLE	ALARM
1	+24 Vdc	0	RET
2	RET	0	+24 Vdc

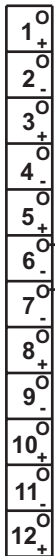
## SHUNT TYPE



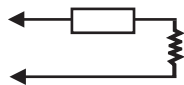
**NOTE:**

1. NOT SUPERVISED.
2. CONTACT RATED AT 5.0 AMPS @ 24 VDC RESISTIVE.
3. THE SHUNT CONNECTION IS RECOGNIZED ONLY AS A SUPPLEMENTARY SIGNALING UNIT AND IS NOT RECOGNIZED AS AN AUXILIARY CONTROL UNIT CONNECTION PER NFPA 72-1993.

## LOCAL ENERGY



**GAMEWELL MODEL  
M34-56 LOCAL ENERGY BOX**



**750 OHM MAXIMUM  
TRIP COIL 14.5 OHMS  
TYPICAL**

**NOTE:**

1. SUPERVISED FOR OPEN CIRCUIT.
2. 24 VDC CURRENT LIMITED AT 550 mA.
3. POWER-LIMITED CIRCUIT.
4. END OF LINE RESISTOR (EOR), 1K OHM, 1 W FOR USE WHEN NOT CONNECTING TO TERMINALS 6 AND 7.

This literature is provided for informational purposes only. KIDDE-FENWAL, INC. assumes no responsibility for the product's suitability for a particular application. The product must be properly applied to work correctly. If you need more information on this product, or if you have a particular problem or question, contact KIDDE-FENWAL, INC., Ashland, MA 01721. Telephone: (508) 881-2000.



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