Honeywell

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Model TC810T1000 Firephone Control Module

SPECIFICATIONS

Normal Operating Voltage:	15 to 32 VDC
Maximum Current Draw:	7.5 mA (LED on)
Average Operating Current:	2.4mA (LED flashing)
SLC Wiring Resistance:	40 Ohms
Supervisory Wiring Resistance:	50 Ohms
Handset Offhook Resistance:	400 to 1500 Ohms
External Supply Voltage (between Terminals T3 and T4):	Regulated 24 VDC
Temperature Range:	32°F to 120°F (0°C to 49°C)
Humidity:	10% to 93% Non-condensing
Dimensions:	4 1/2″ H × 4″ W × 1 1/4″ D (Mounts to a 4″ square by 2 1/8″ deep box.)
Accessories:	SMB500 Electrical Box; CB500 Barrier

BEFORE INSTALLING

This information is included as a quick reference installation guide. Refer to the control panel installation manual for detailed system information. If the modules 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 modules.

NOTICE: This manual should be left with the owner/user of this equipment.

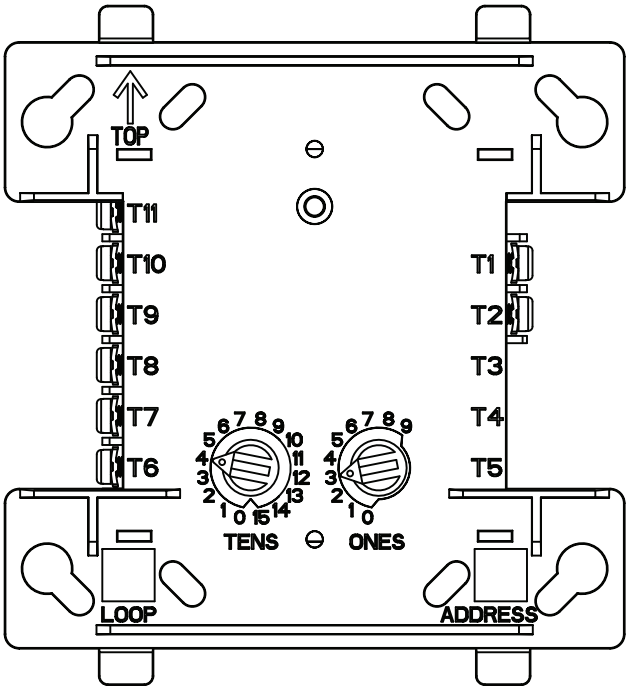
GENERAL DESCRIPTION

Firephone Control Modules are intended for use in Honeywell intelligent, two-wire systems, where the individual address of each module is selected using the built-in rotary switches. This module is used to connect a remote firefighter telephone to a centralized telephone console. A ringing sound is provided at each off-hook handset until it is connected to the console. Wiring to individual telephone jacks and handsets is supervised, and status is reported to the panel as NORMAL, TROUBLE, or TELEPHONE. This module has two pairs of output termination points available for fault-tolerant wiring, and includes a panel-controlled LED indicator.

COMPATIBILITY REQUIREMENTS

To ensure proper operation, this module shall be connected to compatible Honeywell system control panels only.

FIGURE 1. CONTROLS AND INDICATORS:

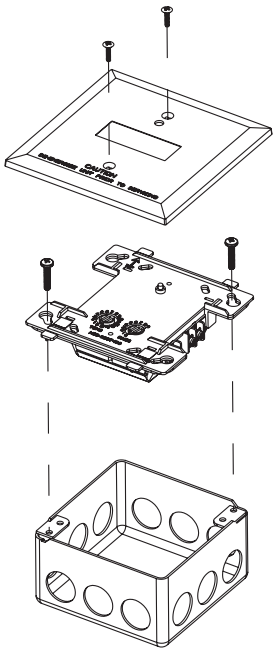


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MOUNTING

This module mounts directly to 4-inch square electrical boxes (see Figure 2A). The box must have a minimum depth of 2 1/8 inches. Flush mounted electrical boxes (SMB500) are available.

FIGURE 2. MODULE MOUNTING:



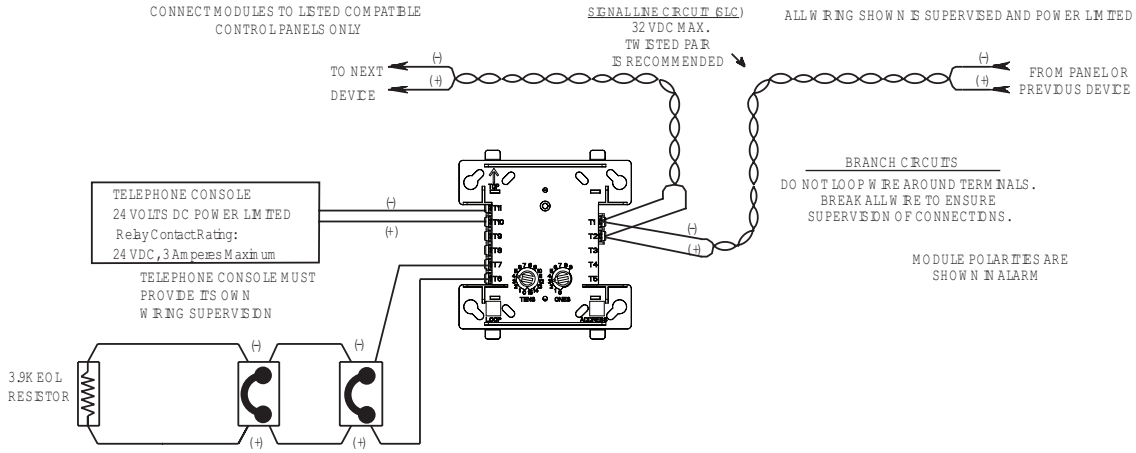
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WIRING

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

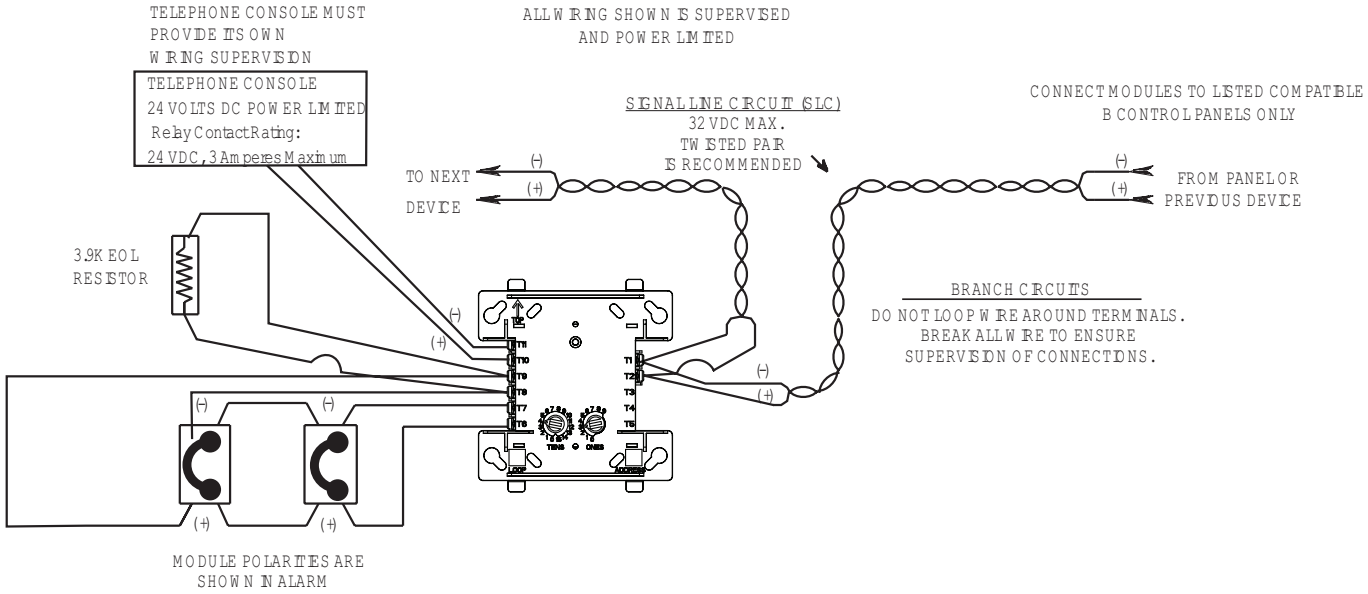
1. Install module wiring in accordance with the job drawings and appropriate wiring diagrams (Figures 3-4).
2. Set the address on the module per job drawings.
3. Secure module to electrical box (supplied by installer), Figure 2.

FIGURE 3. TYPICAL CIRCUIT CONFIGURATION, NFPA STYLE Y:



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FIGURE 4. TYPICAL FAULT TOLERANT CIRCUIT CONFIGURATION, NFPA STYLE Z:



C1077-04

⚠WARNING

All relay switch contacts are shipped in the standby state (open) state, but may have transferred to the activated (closed) state during shipping. To ensure that the switch contacts are in their correct state, modules must be made to communicate with the panel before connecting circuits controlled by the module.

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