Honeywell

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TC810S1000 Releasing Control Module

SPECIFICATIONS

SLC	
Normal Operating Voltage:	15 to 32 VDC Nominal
Average Operating Current:	700µA (LED flashing)
Maximum Activation Current:	9.0 mA (red LED on)
External Supply	
Normal Operating Voltage:	24 VDC Nominal
Maximum Line Loss:	2.3 VDC (total allowable loss from power supply to module and from module to solenoid)
Minimum Operating Voltage to Activate Solenoid:	18 VDC (at solenoid)
Standby Current:	6.4 mA
Activation Current:	10 mA
Maximum Activation Current:	2 A
Solenoid	
Supervisory Loop Voltage:	3.3 V
Supervisory Loop Current (Normal):	30 mA
Maximum Activation Current:	2 A
Temperature Range:	14°F to 140°F (-10°C to 60°C)
Humidity:	10% to 95% RH Non-condensing
Dimensions:	$4^1/_2$″ H × 4″ W × $1^1/_4$″ D; (106 mm H × 108 mm W × 31 mm D)
Accessories:	Wall cover plate (included); SMB500 Surface Mount Electrical Box (for indoor dry applications only)

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

TC810S1000 Releasing Control Modules are intended for use in intelligent, two-wire systems, where the individual address of each module is selected using the built-in rotary switches. This module is used to switch an external power supply, which can be a DC power supply to a solenoid. It also supervises the wiring to the connected load and reports the status to the panel as NORMAL, OPEN, or SHORT CIRCUIT. The TC810S1000 has two pairs of output termination points available for fault-tolerant wiring and a panel-controlled LED indicator.

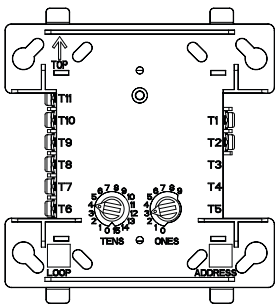
COMPATIBILITY REQUIREMENTS

To ensure proper operation, this module shall be connected to a compatible Honeywell system control panel only (list available from Honeywell). In addition, please refer to the Honeywell Device Compatibility document 51939 for the list of compatible solenoids.

MOUNTING

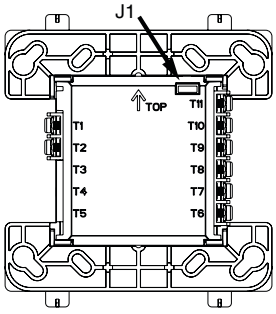
The TC810S1000 mounts directly to 4-inch square electrical boxes (see Figure 2). The box must have a minimum depth of $2^1/_8$ inches. Surface mounted electrical boxes (SMB500) are available (for indoor dry applications only).

FIGURE 1A. CONTROLS AND INDICATORS:



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FIGURE 1B. JUMPER LOCATION:



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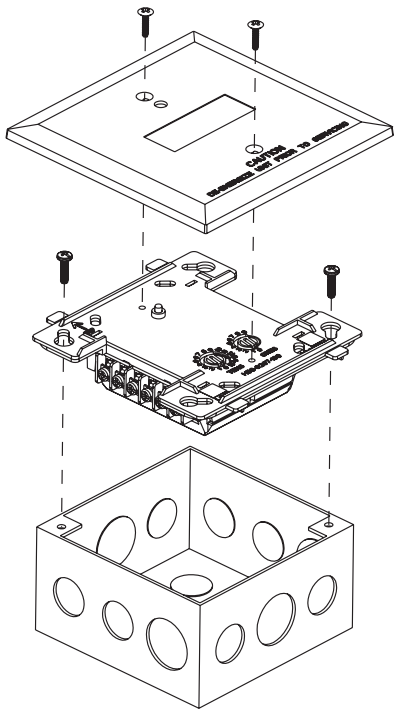
WIRING

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.
2. Set the address on the module per job drawings.
3. Secure module to electrical box (supplied by installer), as shown in Figure 2.

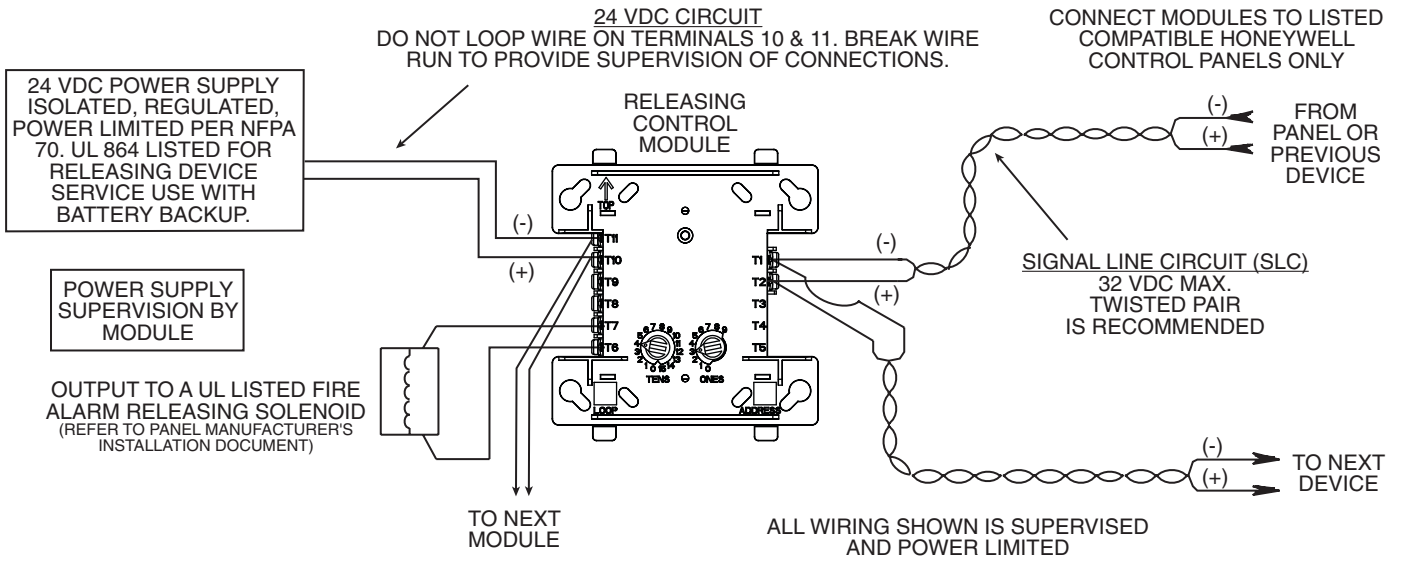
IMPORTANT: When using the TC810S1000 for Class B applications, remove Jumper (J1) and discard. The Jumper is located on the back as shown in Figure 1B.

FIGURE 2. MODULE MOUNTING:



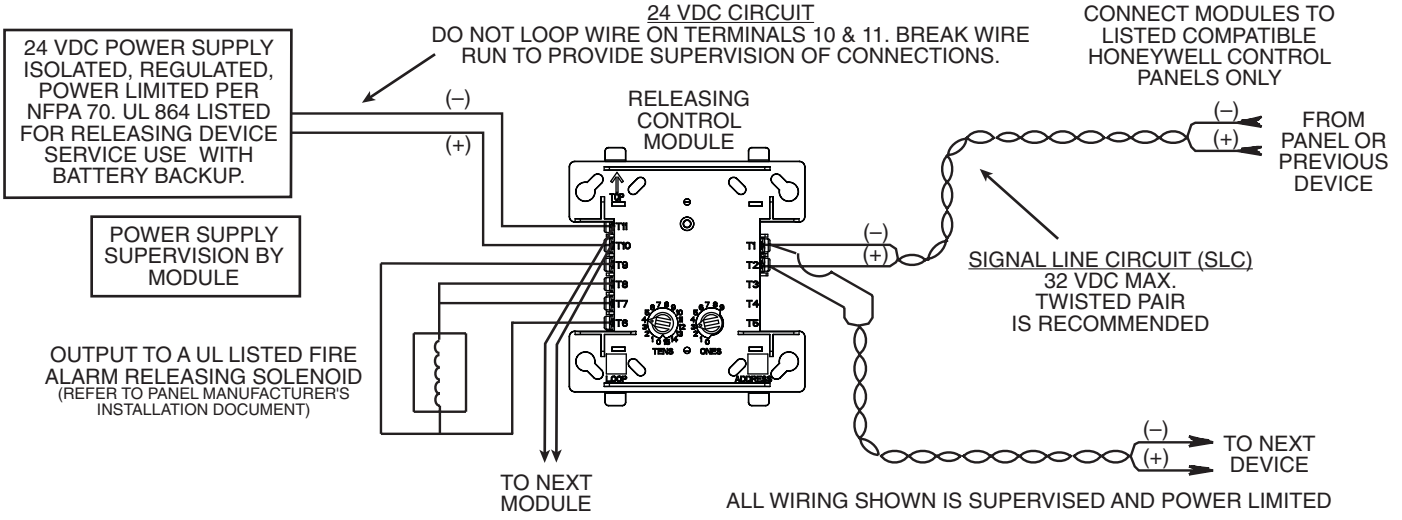
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FIGURE 3. TYPICAL CLASS B, SOLENOID CONFIGURATION:



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FIGURE 4. TYPICAL CLASS A, SOLENOID CONFIGURATION:



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