



## ADT

### SUPPLEMENT FOR ADT-TC-4

(For MANUAL #A15024 Rev. B)

Document 50332 Rev A 6/27/95 ECN 95-305

*Replace **Field Wiring Note #1** on page 10 with the following:*

- 1) Warning Bell and Release Circuits are nonpower-limited.

*Replace **Field Wiring Note #1** on page 11 with the following:*

- 1) Notification Appliance Circuits are power-limited and may be connected to limited energy cable.

*Replace **Field Wiring Note #5** on page 11 with the following:*

- 5) Wiring must be configured for a maximum voltage drop of 2.0V on Notification Appliance Circuits. Calculations of maximum allowable resistance:

$$R_{MAX} = \frac{2.0V}{I_B}$$

Where:  $R_{MAX}$  = maximum allowable resistance of wiring  
 $I_B$  = bell current

*Add the following note to the illustration of the **Optional CRE-4** on page 12:*

If using a mix of power-limited and nonpower-limited circuits, maintain 0.25" spacing between power-limited and nonpower-limited wires and enter/exit enclosure through different knockouts.



Replace page 9 with the following information (MPS-24B):

### Powering the ADT-TC-4 for Multi-Hazard Release

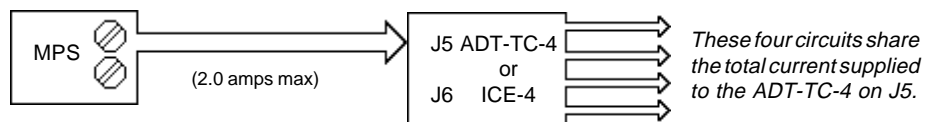
When used for Multi-Hazard Releasing service, the ADT-TC-4 must be supplied with regulated 24 VDC power for compatibility with listed 24V release solenoids. **Note:** The illustration below assumes that no other power is drawn from the regulated output of the MPS. If this is not the case, reduce the maximum current that can be supplied to the ADT-TC-4 appropriately.



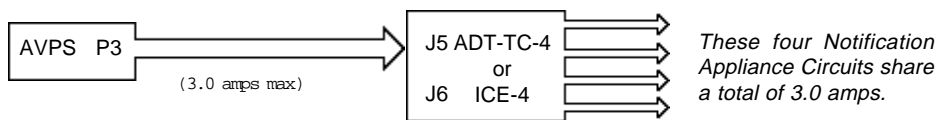
**MPS-24B:** Connect to TB2 Terminals 3 (+) and 4 (-). **CAUTION:** The +24 VDC provided on TB2 Terminal 3 is power-limited only when used with the minus return on TB2 Terminal 4. Do not use the minus return on TB2 Terminal 2 with the +24 VDC power on TB2 Terminal 3.

### Powering the ADT-TC-4 for Dual-Code Alert/Evacuation

When used for Dual-Code Alert/Evacuation service, the ADT-TC-4/ICE-4 does not require regulated 24 VDC power. This power can be supplied by Notification Appliance power from the MPS-24B, the AVPS-24 or any UL Listed power-limited power supply. Refer to Appendix A for a list of compatible, UL listed Notification Appliances. **Note:** The illustrations below assume that no other Notification Appliance power is drawn from MPS or AVPS-24. If this is not the case, reduce the maximum current that can be supplied to the ADT-TC-4/ICE-4 appropriately.

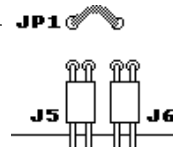


**MPS-24B:** Connect to TB2 Terminals 3 (+) and 4 (-). **CAUTION:** The +24 VDC provided on TB2 Terminal 3 is power-limited only when used with the minus return on TB2 Terminal 4. Do not use the minus return on TB2 Terminal 2 with the +24 VDC power on TB2 Terminal 3.



#### IMPORTANT:

Cut jumper JP1 when supplying the ADT-TC-4 with two different power sources. Example: The ADT-TC-4 can be fed from the MPS-24B on J5 and an AVPS-24 on J6 (or vice versa).





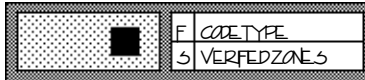
Replace page 14 with the following information:

### Multi Hazard Release

#### Code Type

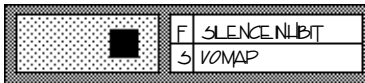
March Time Code must be selected for Code Type.

When the Code Type LED is flashing, select the yellow LED on Notification Circuit 1 for March Time Code.



#### I/O Map

Each of the enables can be mapped to any initiating zone. If you desire cross zone operation, Enables A and B should be mapped to different initiating circuits. If cross zoning is not desired, then map initiating circuits to both A and B. When the I/O Map led is on, each of the initiating circuits can be mapped to outputs. The green enable LEDs on the ADT-TC-4, should be turned on for each of the initiating circuits that are mapped to it.



#### Single Zone Release

When mapping a release circuit for single zone release, map the initiating circuit to both Enables A and B of that releasing circuit.

Note: A releasing circuit can be mapped to more than one initiating circuit.

#### Cross Zone Release

When mapping a release circuit for cross zone release, map Enables A and B to different initiating circuits.

Note: Enable A or B can be mapped to more than one initiating circuit.

### Dual-Code Alert/Evacuation

#### Code Type

Temporal code must be selected for Code Type.

When the Code Type LED is flashing, set the green LED on Notification Circuit 1 for Temporal Code.

#### I/O Map

The evacuation and alert inputs can be mapped to any initiating circuit.

When the I/O Map LED is on, initiating circuits can be mapped for alert and evacuation.

To map an initiating circuit for alert, turn the green alert LED on when the red LED on the initiating circuit is on.

To map an initiating circuit for evacuation, turn the green evacuation LED on when the red LED on the initiating circuit is on.