

# Model T8000-RC

## Relay Module

### for FireSpy® Tracker Control Panels

#### SAFETY MESSAGE TO INSTALLERS

People's lives depend on your safe installation of our products. It is important to read, understand and follow all instructions shipped with this product. Listed below are some other important safety instructions and precautions you should follow.

- This unit must be installed and maintained by a qualified electrician in accordance with NFPA 72 and National and local Electrical and fire codes, under the direction of the authority having jurisdiction.
- Do not connect this unit to system wiring when circuits are energized.
- After installation and completion of initial system test, provide a copy of this instruction sheet to all personnel responsible for operation, periodic testing and maintenance of this equipment.
- Failure to follow all safety precautions and instructions may result in property damage, serious injury, or death to you and others.

#### GENERAL

The T8000-RC relay module (RC) has 2 form C (SPDT) relays, providing individually programmable dry contact outputs. Up to 5 relay modules may be daisy-chained, with the first one connected to a conventional zone module (T8000-CM) or the main board (MBC or MBC-LC) via the relay output connector. Relay modules may be mounted in the main enclosure or remotely in a UL864 listed enclosure.

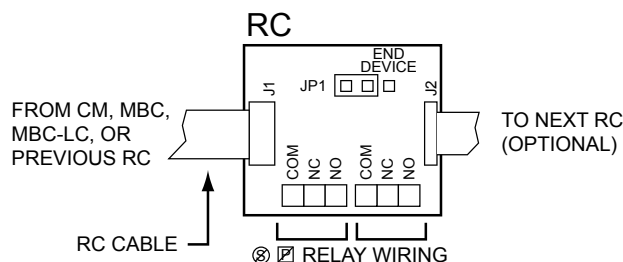
#### INSTALLATION

Refer to the Tracker 8000 installation manual for battery calculations and other additional requirements for installing the assembly in the fire panel system.

#### Mounting

The RC mounts in a UL864 Listed enclosure. The installation location should be reasonably free of dust, vibration, and moisture. To avoid degradation of the operating circuitry, it is recommended that circuit boards be removed during cabinet mounting, wire installation, and any other procedures that may introduce dust, metal shavings, grease or any other foreign matter into the area of the electronic circuitry.

1. Install the enclosure according to the manufacturer's installation instructions.
2. Secure the module to the enclosure standoffs using four screws.



⊗ Marks non-supervised circuits  
 ⊠ Marks non-power limited circuits  
 All others are supervised and power limited.  
 Segregate power-limited wiring from non-power-limited wiring by at least 1/4 inch.

290-0149

Figure 2: Wiring

Specification	Rating
Listed	ETL, Standard UL864
Use / Environment	Commercial / Indoor, dry
Temperature range	32 to 120°F
Maximum relative humidity	95%
Operating current	2mA standby 25mA (per relay activated)
Contact rating	
Resistive load, PF=1.0	10A@30VDC 10A@240VAC
Inductive load, PF=0.4	3A@240VAC

Table 1: Specifications

#### Wiring

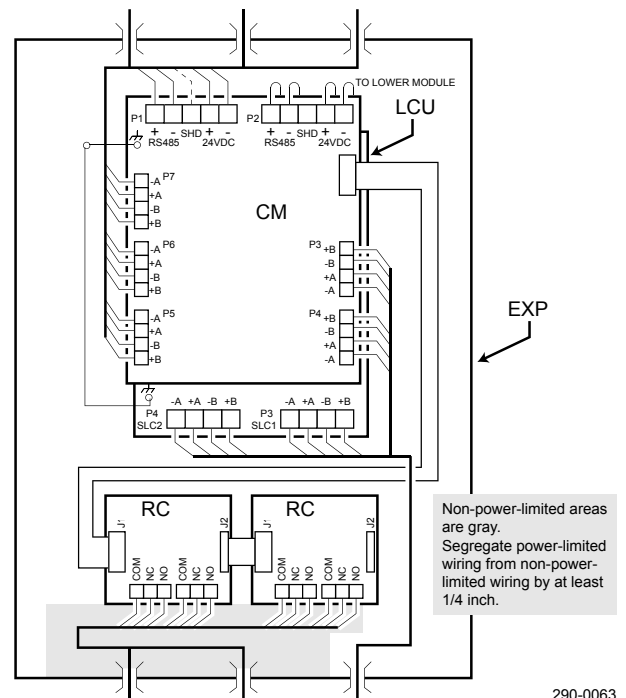
#### WARNING

To reduce the risk of electrical shock, make sure that all power has been turned off or disconnected prior to attempting to install wiring or connect power.

See Figure 2 for wiring. On the last RC in the chain, place jumper JP1 to the END DEVICE position.

#### OPERATION

Refer to the control panel documentation for operation and programming details.



290-0063

Figure 1: Wire routing

**ORDERING INFORMATION**

<b>Model</b>	<b>Stock No.</b>
T8000-RC relay module	T-RC
Mounting hardware kit	T-KIT
T8000-EXP remote enclosure	T-EXP
T8000-EXP5 remote enclosure, large	T-EXP5
T8000-EXP5N remote enclosure, narrow	T-EXP5N
T8000-EXPD remote enclosure, small	T-EXPD
Cable for connecting to T8000-RCs (14 inches)	TG-CBL-RC
Cable for connecting to T8000-RCs (36 inches)	TG-CBL-RC36

**SERVICE**

To get help with problems or questions not covered in these instructions, contact:

Technical Service Department  
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Moline, IL 61265  
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