

Model T8000-RAN

Remote LCD Annunciator

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-RAN is a LCD remote annunciator module. It may be mounted within a T8000-A-CAB enclosure (for recessed mounting) or other UL864 listed enclosure.

The annunciator is similar to the panel's local annunciator (PDC) with a 8 line by 20 character display, 5 system status LEDs, 20 programmable LEDs, audible piezo buzzer, and a 17 button keypad. Up to 15 remote annunciators may be connected to the panel via the RS-485 network. The remote annunciator mimics the panel's local annunciator LCD. Silence and reset functions are allowed at the remote annunciator.

For more detailed system information, please refer to the control panel documentation.

INSTALLATION

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

Specification	Rating
Listed	ETL, Standard UL864
Use / Environment	Commercial / Indoor, dry
Temperature range	32 to 120° F
Maximum relative humidity	95%
Supply voltage	Regulated 24 DC
Operating current	
Standby	19mA
Alarm	25mA (without backlight)
	80mA (with backlight, 10 seconds after keypress)
Max wiring distance from panel (one annunciator)*	5741ft (18 AWG)
	9432ft (16AWG)

* For 3V maximum voltage drop across each power at 80mA.

Table 1: Specifications

Mounting

Install the enclosure as described below. 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. For recessed mounting, cut an opening in the wall to fit the backbox.
2. Remove the annunciator board from the enclosure by removing the four screws.
3. Use four #10 lag screws or other suitable fasteners (not included) to mount the backbox to the wall.

To complete the installation with T8000-RAN (included in T8000-ANN):

1. Secure the annunciator board module to the four standoffs using screws.

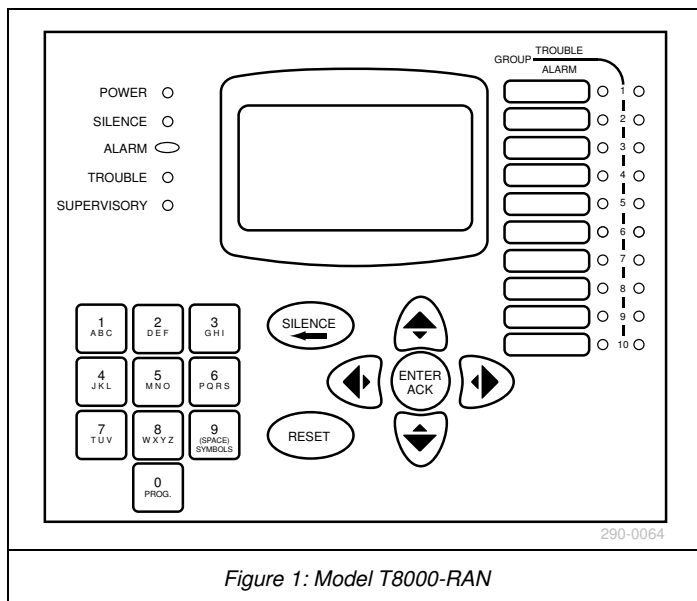


Figure 1: Model T8000-RAN

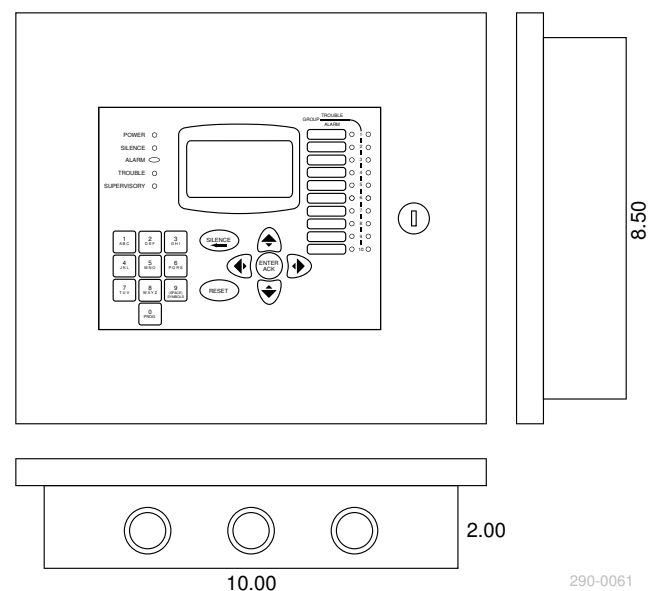
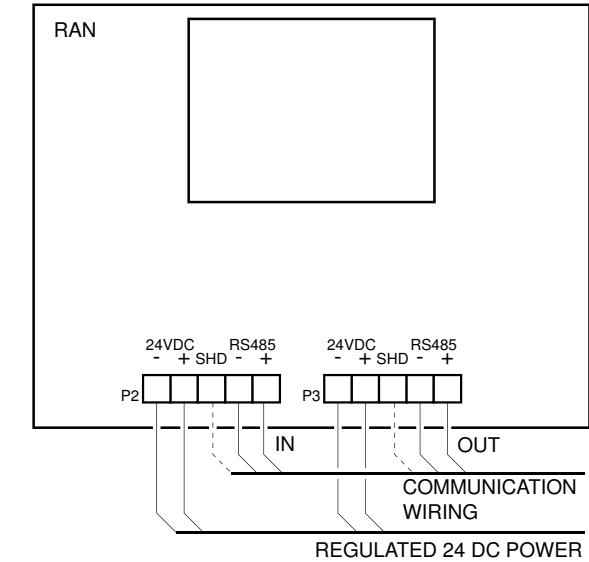


Figure 2: Model T8000-RAN in T8000-A-CAB



All circuits are supervised and power limited

290-0101

Figure 3: Wiring

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.

Connect wiring as shown in Figure 3.

Configuration

- 1. Set the address of the annunciator on the DIP switch (see Figure 4).
- 2. If the annunciator is at the end of the network wiring, set SW19 to the END REM position (see Figure 5).

MAINTENANCE AND OPERATION

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

ORDERING INFORMATION

Model	Stock No.
Remote annunciator (board & enclosure)	T-ANN
Remote annunciator enclosure	T-ACAB
Remote annunciator board module	T-RAN

SERVICE

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

Technical Service Department
Harrington Signal Inc.
2519 - 4th Avenue
Moline, IL 61265
(800) 577-5758

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Figure 4: Address settings (SW1)

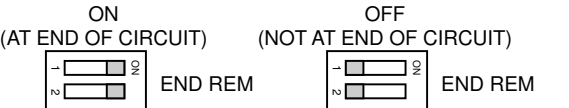


Figure 5: End of circuit settings (SW19)