KFRTI-8S

KCi

Kingfisher Company, inc.

<FM APPROVED> FC

Features:

- NEMA 1 or 3R Enclosure (pictured to right)
- Up to Eight Supervised Class B Zones
- Frequency and Call Box Number Can Be Easily Programmed By A Laptop Computer.
- F.C.C. Type Accepted
- Factory Mutual Approved
- Automatic Self Testing
- Tamper/Knockdown Feature
- Built-In Individual Audible Alarm and Trouble Signal
- AM Tone
- Contained Long Life 12V Rechargeable Sealed Lead Acid Battery.
- Individual Zone Disconnect Control Switches

STAR TECHNOLOGY

- Frequency and Call Box numbers are programmable by laptop computer.
- Programmable test time.
- Software defined transmitter, no crystals.
- Approximately 6 months transmitter operation on a 2.5 AH Battery.

Description:

The KFRTI-8S Combination Transmitter/Interface Panel provides a unique savings by combining the Radio Transmitter and the KFRI Interface in a common NEMA 1 or 3R enclosure. Ideally suited when no direct public accessible functions are required. The Combination Transmitter/Interface Panel provides an economical solution for a radio fire alarm transmission and supervised monitoring system.

The KFRTI-8S Combination Panel offers the same reliable and efficient means of connecting local fire systems, emergency signals, or special supervised signals to the radio alarm master box electronics within the NEMA 1 or 3R enclosure. Complete reliability and flexibility are featured in the Combination Transmitter/Interface Panel satisfying the protection and safety requirements of any Government, industrial facility or municipality.

Battery backup after primary power loss. Both Radio Transmitter and Interface have Battery Chargers to keep batteries fully charged.

Operation:

The KFRTI-8S radio transmitter is capable of transmitting FIRE, POLICE, MEDICAL AID, EMERGENCY RESPONSE, etc.. As many as ten different types of signals, including a test signal, are possible. The specific emergency signal can be transmitted automatically through the combination transmitter/interface circuitry, which is programmed to transmit any pre-programmed signal. The test signal is transmitted daily to verify that the radio call box transmitter is functioning properly.

The KFRTI-8S combination panel may also be arranged to automatically transmit tamper signals in the event of any abnormal tilting or door open. The tamper signal circuitry is damped to eliminate false signals.

Specifications:

Number Assignment Capacity:	Up to 6 Digits for 1,000,000 Box Numbers.
Operating Temperature Range:	−40°F to +140°F (-40°C to +60°C)
Transmitter Frequency Range:	72-76MHz / 138-174 MHz (Government Use Only)
Transmitter Output:	1 Watt Peak Max Output
User Programmable:	Address and automatic test.
Dimensions:	(Outdoor: 30" X 16.25" X 4.5") or (Indoor: 30" X 16.25" X 3.5")
Weight:	(Outdoor: 45 lbs) or (Indoor: 35lbs)

- **Mounting:** All electronics are mounted on a removable sub-plate, which are housed in a NEMA 1 or 3R enclosure. A Lexan viewing window is installed on the front door.
- **Construction:** The interface circuitry is constructed of solid state logic and discrete switching components and programmable plug-in transmitter.
- **Installation:** The installation of the Combination Transmitter/Interface Panel is simple due to its construction and design. Removal of the interface or radio alarm call box transmitter circuitry is easily accomplished, as there are no wire connections to any panel door mounted equipment.
- **Batteries:** Self Contained long-life 12V rechargeable sealed lead acid battery.

ORDERING INFORMATION

KCi #	Model #	Description
99230-H-1		**KFRTI-8S Assembly**, High Band, NEMA 1 Enclosure with 211 Key and Lock
99230-H-3R		**KFRTI-8S Assembly**, High Band, NEMA 3R Enclosure with 211 Key and Lock
99230-L-1		**KFRTI-8S Assembly**, Low Band, NEMA 1 Enclosure with 211 Key and Lock
99230-L-3R		**KFRTI-8S Assembly**, Low Band, NEMA 3R Enclosure with 211 Key and Lock
79602-0-HB	RE08H	**Transmitter/Interconnect Assembly / Sub-plate-** High Band
79602-0-LB	REO8L	**Transmitter/Interconnect Assembly / Sub-plate-** Low Band
		INTERFACE ASSEMBLY
79601	IA08S	**Interface Assembly / Sub-plate-** Eight (8) Zones
66817	IA08	**Interface Electronics Only (no sub-plate)-** replacement part only
		KFRTI-8S TRANSMITTER OPTIONS/ACCESSORIES
97953	FPF	**Factory-Programmed Frequency-** required with 99952-0-LB, 99952-0-HB, 79602-0-HB, or 79602-0-LB
91152	SPK	**Serial Programming Kit**
91153	USB PK	**USB Programming Kit**

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ORDERING INFORMATION (SEE LAST PAGE FOR RETROFIT)

KCi #	Model #	Description
ACCESSORIES		
29030	LK15	**Lock-** CAT15 (includes key)
29031	K15	**Key-** CAT15
29032	LK60	**Lock-** CAT60 (includes key)
29037	K60	**Key-** CAT60
CABLE ASSEMBLY		
57213	ICA	**Interconnect Cable Assembly**

NOTE: The KFRTI-S radio alarm transmitter responds to as many as eight (8) contact closures from standard fire panels and/or emergency/supervisory/auxiliary switch devices to generate a radio-transmitted message in a standard KFRA-C receiver/processing unit format.   The KFRTI-8S electronics derives power from a 120V circuit, and the electronics are housed in a NEMA 1 or 3R enclosure. The KFRTI-8S can operate in its battery standby mode for 60-72 hours following a power failure. Order high-band for frequencies between 138.000-174.000 MHz., and low-band for frequencies between 72.00-76.00 MHz. Each KFRTI-8S requires one (1) factory-programmed frequency (specify frequency on order), two (2) batteries (2.5 or 5AH), lightning arrestor, antenna, coaxial cable, and connectors (all of which must be ordered separately).

For replacement of existing transmitter electronics, see RETROFIT KITS. Specify Frequency on Order.

Installations:

- All installations shall comply with the Kingfisher Antenna Installation manual part # 75092

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Retrofit Kit:

The Retrofit Kit is an easy to install kit for converting an analog Transmitter in a KFRTI-8WP or KFRTI-8COMBO to a digital Transmitter using STAR technology.

KCi #	Model #	Description
		RETROFIT KIT
91232	KFRTI-8SR-HB	Retrofit Kit—STAR based Retrofit Kit for KFRTI-8WP & KFRTI-8COMBO Specify Frequency– High Band
91233	KFRTI-8SR-LB	Retrofit Kit—STAR based Retrofit Kit for KFRTI-8WP & KFRTI-8COMBO Specify Frequency– Low Band

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