



Kingfisher Company, inc.

KFVC Transceiver

Features:

- Radio Transmitter (High or Low Band)
- Four Input Class B Zone Modules (Expandable)
- Two Auxiliary Relay Modules
- Capable of Processing Several Different Kinds of Remote Alarms Including Fire, Security, Water Level, Temperature, and Auxiliary Contact Devices
- NEMA3R Rainproof Enclosure Available
- Designed for Retransmission of any type of KCi Remote Alarm Transmitter or Device
- Tone Storage Playback
- LED Indicator for Power, Transmit, Trouble, and RF Transmission
- Up to 999,999 Remote Alarm Codes with 9,999 Zones per Site
- All Received Signals are Checked for Proper Format, Alarm Site Match and Errors
- Self-monitoring Transmission Circuit can be set to Latching or Non-Latching, and Audible or Non-Audible



Made in the U.S.A.

Description:

The KFVC Transceiver is a completely modular, self-contained conventional AM Repeater. The KFVC is a heavy duty panel capable of operating in a wide range of temperatures and designed to receive AM transmitter signals in areas where direct radio alarm transmission to the central station receiving console antenna is inhibited by geographical or manmade obstructions.

The KFVC is furnished in a NEMA 3R rainproof enclosure or a NEMA 1 indoor enclosure. In addition, the modular KFVC Panel has the capability of automatic radio reporting for alarms, supervisory, and trouble conditions with test status reporting for use with a compatible receiving unit and retransmitting.

Logic circuits are included which monitor the repeater activity and can detect fault conditions such as power failure, transmit failure, transmission without modulation and failure of the redundant repeater. The KFVC provides for the transmission of a repeater "TROUBLE" signal which will be received and annunciated at the central receiving station.

The repeater consists of a receiver section, a tone storage section, a transmitter, logic controls, power supply and cabinet. Two repeater units are used in tandem to conform to code requirements for redundancy. The logic sections of the two repeaters supervise each other to provide automatic switch over in case one unit should fail. Both repeaters are used during normal operation with each unit sending two transmissions of test, supervisory, or alarm signals.

Physical Specifications:

Dimensions: 42" X 16" X 6" (NEMA3R Enclosure)

Technical Specifications:

Power: 120VAC @ .75A

Radio Trans.: 72-76 MHz and 132-174MHz

Temperature: 32°F to 120°F

Battery Requirement: (2) #17014 12V 5AH Batteries for Transmitter
(1) #17033 12V 8AH Battery for Master Transceiver
(1) #17033 12V 8AH Battery for Slave Transceiver

Note: The KFVC is available in only one configuration. The KFVC will never be expanded upon in the future. The battery requirement will never change. The above batteries ensure 90 hours of standby. In addition the above batteries are calculated for 20% spare capacity.

ORDERING INFORMATION

KCi #	Model #	Description
99099	KFVC	Transceiver—Dual Repeater with Supervising Transmitter
26021	BR2	Battery Shelf—(2.5"H X 12"W X 5.5"D) Allows elevated storage of batteries. (Required when routing field wiring through the bottom knock-outs in the enclosure)
17014	BP1205	Battery Pack—12V, 5AH
17033	BP1208	Battery Pack—12V, 8AH
75870		KFVC Technical Manual
99099-DTS		Specification Data Sheet

Installations:

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

Kingfisher Company, inc., products must be used within their published specifications and must be PROPERLY specified, applied, installed, operated, maintained and operationally tested in accordance with their installation instructions at the time of installation and at least twice a year or more often and in accordance with local, state and federal codes, regulations and laws. Specification, application, installation, operation, maintenance and testing must be performed by qualified personnel for proper operation in accordance with all of the latest National Fire Protection Association (NFPA), Underwriters' Laboratories (UL), National Electrical Code (NEC), Occupational Safety and Health Administration (OSHA), local, state, county, province, district, federal and other applicable building and fire standards, guidelines, regulations, laws and codes including, but not limited to, all appendices and amendments and the requirements of the local authority having jurisdiction (AHJ).

NOTE: Due to continuous development of our products, specifications and offerings are subject to change without notice in accordance with Kingfisher Company, inc., standard terms and conditions

Kingfisher Company, inc. 81 Old Ferry Road - Lowell, MA 01854
Phone: 978-596-0214 Fax: 978-596-0217 www.kfci.com