

FMR-232R

Computer Receiver with 2 Relay Outputs & Database Software

Features

- Used in conjunction with computer database software
- 2-channel Receiver with supply, antenna, RS232C & relay connections
- Up to 500 different transmitters can be entered into the database

Applications

- For monitor of transmission of remote control transmitters using computer database software

Description

The FMR-232R is a two-channel receiver with supply, antenna, RS232C and relay connections. The receiver is enclosed in Elsema's black UBB plastic case.

The FMR-232R receiver is used to monitor the transmission of remote control transmitters using computer database software.

The software runs on an IBM computer and has a database to which it records the transmitter identity every time the transmitter is used. Each transmitter can have up to five different identifiers. For example, the name, phones, fax and address of a person using the transmitter.

Up to five hundred different transmitters can be entered into the database.

The software can be configured to prompt the computer user an alarm dialog box when a transmitter is transmitted. It can even operate two different relay outputs. Each relay has a software momentary mode.

A demo version of the software can be downloaded from the website. If the hardware receiver and transmitter are to be used, the registered software must be purchased.

All FMT-... series transmitter can be used with this registered software.

A proper 27 MHz CB-Antenna will give a reliable control range of up to 200 metres, when used with Elsema's FMT-301, FMT-302, FMT-304 transmitters. If a CB-Antenna is used, the shield of the cable must be connected to the "Sh terminal".

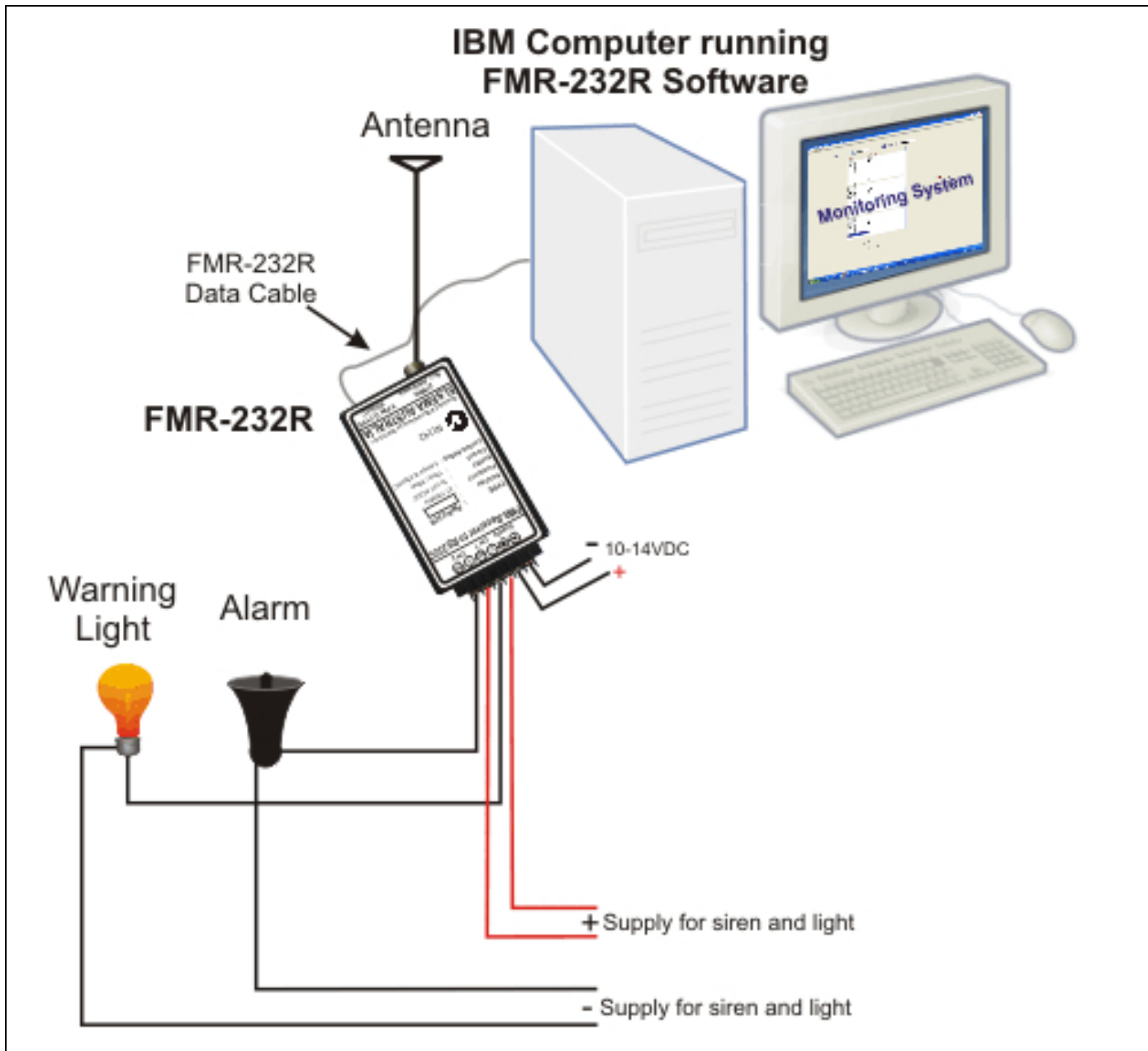


Technical Data

Case	Black UBB Plastic
Supply Voltage	10 - 14 VAC/DC
Current Consumption	18mA (Standby) 76mA (Both Relays On)
Receiver Type	Dual Conversion Superhetrodyne
Receiving Frequency	27.145MHz (Other freq. available: 27.045, 27.195 & 27.455MHz. NB. 27.455 freq. is not available for Australia)
Type of Crystal Used	10.245MHz, Fundamental, 20pF, 30ppm 16.495MHz, Fundamental, 20pF, 30ppm
Operating Temperature Range	-5 to 50°C
1st IF Freq	10.7MHz
2nd IF Freq	455kHz
Selectivity	-6dB at ±5kHz, -20dB at ±6kHz
Image Rejection	At 26.285MHz better than -60dB
Sensitivity	-107dBm or 1uV
Type of demodulation	Narrow-bandwidth Frequency Modulation (FM)
Occupied Band Width	±5.0kHz
Baud Rate	4800bps
Data	No parity, 8 bits, 1 stop bit
Connections	Antenna: SO-239 50 ohms socket Supply: 6-way screw type terminal block Data Out: 9-pin female D-type 2 Relay Output Contacts: Common (C) & Normally Open (NO)
Serial Cable	9-pin Male to 9-pin Female
Antenna	50 ohms, 27MHz CB-Antenna or approximately 300mm long wire for short range applications.
Dimensions	125 x 80 x 33mm
Weight	194g
Compatible Transmitters	FMT-... series

Application Diagram

FMR-232R



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