



24 channel remote control unit **FSM24**

The 24 channel remote control board **FSM24** (former called **HM1540** or **HM1541**) consists of a coder and decoder board and conveys directly the parallel information that is feeded to the coder.

The data stream from the coder to the decoder includes a rolling code with a repetition rate of about 25 years at permanent transmission.

The transmitted code includes a CRC information combined with a 16 bit wide individual board address. So the transmission is protected against valid codes from other **FSM24**.

24 parallel input channel information is transfered from the coder via the radio link to the decoder and outputed on 24 open collector drivers. 12 data telegrams are transfered per second.

The **FSM24** is compatibel to all radio modules from HM-Funktechnik!

This board is mainly to use in applications for controlling industrial machinery, transferring parallel input data such as button states. It is also possible to interface computers.

The combination with our radio modules **70TX-M1** and **70RX-M1** (or **70TX-S** and **70RX-S1**) offers the user a perfect remote system with long distance communication. You can reach a distance of **2000 m and more** with these licence free radio modules at free sight.

Features

- 24 parallel in- and outputs
- Simultaneous signal transmission
- 16 Bit board address
- Secure code transmission with a Hamming distance > 5
- Rolling code generation for a record protection
- Compact size
- Compatible to all HM-Funktechnik radio modules
- Low power consumption with coder standby function
- Power on automatic for the transmitter
- 300mA output drivers for power relays
- Fast data transmission by effective data telegrams

Applications

- Remote control systems
- Industrial applications



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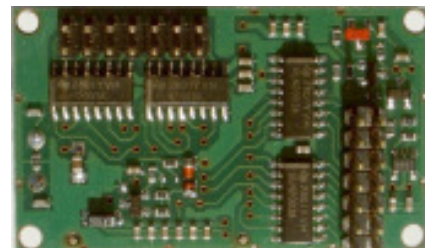
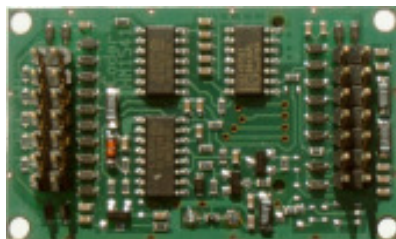
Specifications:

Dimensions	49,2 x 29,2 mm
Supply voltage coder	5 V stabilized or 5 - 11V DC unstabilized
Supply voltage decoder	5 - 11 V unstabilized
Supply current	10 mA (without radio module)
Inputs coder	24 parallel
Outputs decoder	24 parallel
Package	coder and decoder (without radio modules) Operation manual

Coder FSM24



Decoder FSM24



Real size