FOREMATIC

A-R40 universal receivers

FA-R42   Manual setting, two N/O outputs

FA-R43   Manual setting, N/O & N/C output + N/O output

FA-R82   Manual, 868MHz, two N/O outputs

FA-R44   Secure setting, two N/O outputs

Features

♦ European 10 to 32 bit fixed codes

♦ Learns 32bits of rolling codes

♦ 2 channels with isolated contacts

♦ Pulse or toggle on each channel

♦ 200 user white list per channel

FA-R40 specification

Power	12-24V ac/dc Iq<11mA
Remotes	400 users
Relay	2A @ 30Vdc
Coding	1000bps OOK/ASK
Environm't	-10°C to 60°C IP44
Dimension	60 x 93 x 28mm

Description

FA-R40 receivers have two channels. Manual set versions have a learn button for each channel. FA-R44 is a secure receiver that can be set by the administrator through a 'phone app. A channel is set to learn mode then the new remote entered. The control panel stays closed.

Codes. FA-R40 receivers learn 10-32 bit fixed 'Manchester' codes. The first 32 bits of a rolling code can also be learned, so virtually all remotes. Each button takes one user code. There are 400 user codes available.

Pulse or toggle. Manual set receivers learn a button in 'pulse' or 'toggle' mode. For example, one button can pulse channel 1 and another button can cause channel 1 to toggle. If the relay is already ON, pulse or toggle will clear that channel, as does a power down.

Application.   Unusual for a standalone receiver, FA-R43 has a N/C contact on one channel. Some control panels need the N/C contact to be wired in a safety circuit to hold the gate open. It is also used by wireless safety devices when connected input safety inputs.
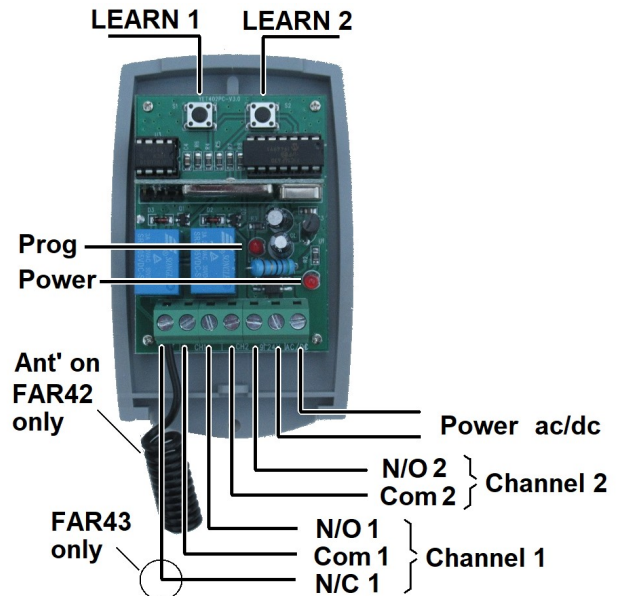
Installation

Housings are IP44 not suitable outdoors. Fix the receiver up high for best reception with the internal antenna, or fit an external antenna. A higher gain antenna can be fitted to the antenna terminal. Power can be connected either way around. Relay com 1 and relay com2 are isolated. FA-R43 has an extra N/C contact on channel 1 used for safety functions. The power LED is always ON. Wiring for secure receiver FA-R44 is same as FA-R42 without the learn buttons.

Adding and deleting codes

Each remote button is learned independently as a pulse or toggle. To add a remote button as a **'pulse' function**, press the associated LEARN button once. The 'Prog' LED will light. You have 10 seconds to press the remote button that you want to add. The 'Prog' will go out when the code is correctly accepted (or after 10 secs). For a **'toggle' function**, press the associated LEARN button twice and repeat as above.

Remotes cannot be deleted individually. To delete all, hold the learn button for 10 secs until the 'prog' LED is off.

Secure receiver

FA-R44 has a WiFi interface for remote setting from a mobile phone app. The app can also be used to set times and view an events log

Loading the app. Download the "Tuya Smart" app and register. You will need enable Bluetooth and WiFi. Select "ADD DEVICE" to find the FA-R44. You will need to add the WiFi network name and password. Next step is to enable permissions to search for devices. When the discovered devices are listed, choose this receiver. Select SWITCH1 or SWITCH 2. Wait for receiver to be added.

Adding and deleting codes

FR-R44 adding. Remote buttons are learned in the same way, but to set learning can only be done securely on administrator's smartphone. This needs to be downloaded and paired with the R44 receiver (see above). The learn procedure is the same as but the learn button is on the app.

Deleting. Codes can't be deleted individual. The whole memory must be deleted. Hold down LEARN 1 button for 10 seconds until the red LED goes out.