



GENERAL:

The FR3 U2 radio remote control repeater is used to extend the range between transmitter and receiver. It receives the already attenuated remote control protocols and retransmits them with full transmission power.

APPLICATION:

Extension of the range of radio remote control systems Fx3 (FS3, FE3) and FV1 (FV1S, FV1E).

FUNCTION:

The radio signals detected by the repeater are immediately retransmitted in processed form. The repeater can either repeat all protocols (if no address code has been taught in) or only the taught-in protocols (important when using several repeaters).

Teaching in an address code

As soon as at least 1 address code has been taught in, the repeater retransmits only these predefined protocols. Up to 24 address codes can be taught in (if the repeater table is full, the Rx LED and Tx LED flash simultaneously twice).

Briefly press and release the "Prog" button = Activate teach-in mode.

The Rx LED lights up. It goes out again when a valid address code is received and accepted.

If no valid protocol has been received within 20s, teach-in mode is automatically terminated (Rx LED goes out).

Deleting the last taught-in address code:

Activate teach-in mode (briefly press and release the "Prog" button)

Then hold down the "Prog" key >5s.

Rx and Tx flash 3 times to confirm.

Deleting all address codes:

Deactivate teach-in mode by holding down "Prog" button >10s; after 10s, the Rx and Tx LEDs flash simultaneously 5 times.

Correct function display:

Rx LED flashes = valid reception

Tx LED flashes = protocols are being retransmitted.

Radio remote control repeater for flush-mounting FR3 U2

SPECIAL FEATURES:

- Increases the range of the radio remote control systems Fx3 (FS3, FE3) and FV1 (FV1 S, FV1 E) by up to 50m (free-field range)
- Capacity for up to 24 teach-in addresses
- No external antenna
- 2 voltage variants (230V AC or 12-24V UC)
- Compact housing

TECHNICAL DATA:

Radio frequency:	433.92MHz
Modulation type:	OOK PWM
Address codes:	max. 24 teach-in
Operating voltage	230V AC 50/60Hz
Power consumption	0.6W
Interference immunity	compliant IEC 801-4 level 4
Equipment protection	compliant IEC 0801-5 level 4
Creepage / clearance	compliant VDE 0110 gr.C / 250V
Ambient temperature	-10°C to +45°C
Insulated housing	flameproof to VDE 0304 part 3, level FV 0
Connections	socket terminals with captive screws M3
Installation position	if necessary directed at transmitter or receiver
External dimensions	43x43x18.5mm
Weight	30g
Colour (RAL)	grey 7035 / green 6029

ORDERING INFORMATION:

Part No.	Type	Description
Fr3u29	FR3 U2	Radio remote control repeater 230V AC

Accessories:

hc3500	HC 35	Top-hat rail clip
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We hereby declare that this device conforms to the basic requirements and other relevant provisions of Directive 1999/5/EC see also www.schalk.de