Manual
15RF Remote control

Read this manual carefully before you mount or use the remote control.

Package contents

1x 15RF Remote control manual.
1x Remote control.
1x Wall frame (mounted on the back of the remote control).
1x CR 2032 battery
2x 3.5x32 mm screws
2x 6 mm plugs

Introduction / Why RF

This remote control (B) was especially developed for the MVS-RH, MPV-WR and HRC-BRH units. Radio Frequency (RF) control means that the ventilation device can be switched remotely and wirelessly by one or several remote controls, up to a maximum of 20. During renovation in particular, providing wiring is often difficult and expensive, which makes this wireless switching method ideal. The RF control signal is received by a receiver printed circuit board (PCB) mounted in the device. The remote control has 6 buttons for selecting the required position or mode: absent, low, medium, high, automatic and timer.

The remote control is intended for exclusive use with Orcon ventilation units from the 15 series. If bought separately, the remote control must be connected for the first time to the Orcon ventilation unit by the installer.

Mounting 15RF Remote control

The remote control can be opened via the push button (see figures 2 and 3), which is located on the underside. The wall frame can then either be mounted with the 2 supplied screws and plugs or be stuck in place. Please note: 'UP' is marked on the wall frame, when mounting make sure that this is at the top. Keep enough space free around the underside so that the push button can be easily reached from below. It is recommended that the remote control is installed in the living room, kitchen or lavatory at a height of 1.5 m. Never install the remote control near large metal objects, and keep the remote control out of the reach of children.

Device start up

When the device is connected to the voltage supply: during start up, the LED on the receiver PCB in the unit (figure 1) flashes alternately red, green, red. Then the LED on the receiver PCB turns green for 3 minutes, during which time the device is in learning mode and can be linked to a remote control or CO_2 sensor.

Pairing remote control(s) to 1 device

Remove the plug of the device from the power point for 30 seconds. Then reinsert the plug in the power point. The LED on the receiver PCB (figure 1) flashes alternately red and green, after which the LED remains green. The device will be in learning mode for 3 minutes. During this time, you can pair remote control(s) by pressing the buttons <1> and <auto> simultaneously until the LED on the remote control flashes alternately red, green, red. When the remote control has been successfully paired, the LED on the receiver PCB and remote control will flash green 10 times, and the device will briefly accelerate. The remote control is now ready for use.

Alternative pairing procedure:

Remove the cover from the device. Briefly press the push button of the receiver PCB once (figure 1). The LED on the receiver PCB (figure 3) flashes alternately red and green, after which the LED remains green. The device remains in learning mode for 3 minutes. Pairing the remote control is carried out in the same way as described in the pairing procedure above. Pairing an additional remote control is carried out in the same way as pairing remote control number 1.

Pairing remote control(s) to several devices

To pair 1 remote control to several devices, the pairing procedure above is repeated except that buttons <2> and <auto> are simultaneously pressed for 3 seconds to pair the remote control. To replace a remote control, all the components must be unpaired on the receiver PCB. Afterwards, all the components must be once again paired.

Timer mode

In the timer mode, the device operates in the high position for the required time, after which the device returns to the last selected position. Pressing once causes the device to operate in the high position for 15 minutes, pressing twice 30 minutes, and pressing three times 60 minutes. The timer can be cancelled by selecting another button.

Auto mode

In auto mode the device operates in accordance with signals from the integrated moisture sensor and/or the optional 15RF CO_2 sensor.

Absence position

In the absence position the device runs in an extra energy-efficient low position and does not respond to signals from sensors.

Service and maintenance

Battery replacement

If the LED indication on the remote control flashes orange once, or does not react when you operate one of the control buttons, the cause is probably a low battery. You do not need to contact your installer to replace this battery. It is a task you can easily do yourself. The battery can be ordered from www.orcon.nl. To replace the battery, click in the push button on the wall frame (figure 3) of the remote control in order to remove the upper part of the wall frame of the remote control. Remove the old battery from the remote control. Insert the new battery with the positive side facing you (see figure 4). Replace the protective cover and click the upper side shut on the wall frame with a hinge movement. In normal use, a new battery has a service life of about 6 years.

Please note: Do not throw batteries away with household waste, instead take them to a collection point for chemical waste.

Unpairing remote control(s) and sensor(s) on the device

Remove the cover from the device. Press the push button on the receiver PCB in the device (figure 1) for 15 seconds until the LED is simultaneously red and green (orange). Release the push button. After release, the LED on the receiver PCB flashes alternately red, green, red. Any connections with the remote control(s) / CO_2 sensor(s) are now deleted and the factory settings are loaded. The LED on the receiver PCB remains green for 3 minutes, during which time the device is in learning mode and can be linked to a remote control or CO_2 sensor.

Reset remote control

A remote control can be reset by pressing the ‹absent› and ‹timer› buttons simultaneously for 3 seconds. The remote control indicates that the reset is complete by flashing orange twice.

Service

The remote control is extensively tested in the factory. Have you nevertheless encountered a problem? Then please ask your installer to contact Orcon's service department.

Guarantee

The factory guarantees this device in accordance with the conditions listed in the general terms and conditions.

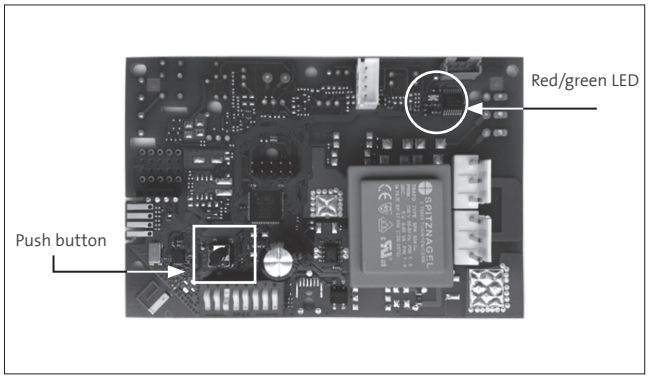

Fig. 1 - Receiver PCB in the device

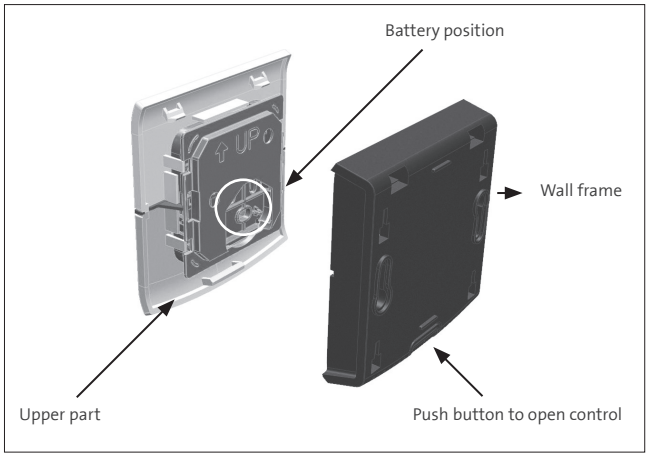

Fig. 2 - Exploded view remote control

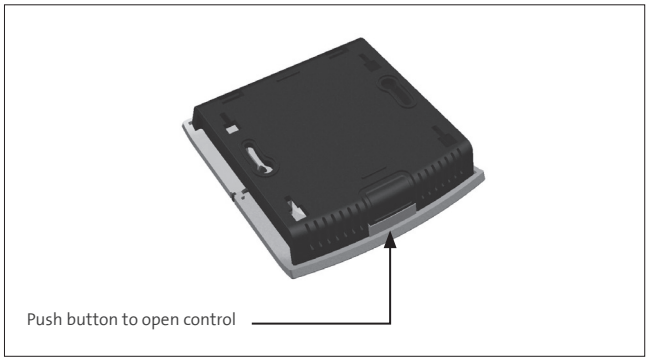

Fig. 3 - Back of remote control

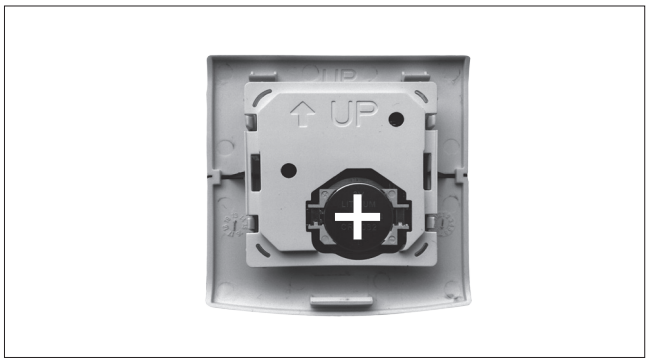

Fig. 4 - Battery in remote control

Declaration of conformity

Orcon BV declares that this remote control conforms with the Machinery Directive (2006/42/EC), the Low Voltage Directive (2006/95/EC), the EMC Directive (2004/108/EC), the RoHS Directive (2002/95/EC) and the R&TTE Directive (1999/5/EC).

Veenendaal, NL

M. Voorhoeve, General Manager

Technical data

Power supply	3 V battery
Dimensions	83 x 80 x 28 mm
Weight	125 g
RF frequency	868.3 MHz
Min/Max Ambient temperature	0-40 °C
RH level	0-90 % non-condensing
Protection class	IP30

15RF Remote control user interface explanation

Button	Control	Function
	1x short	Absence mode
1	1x short	Position 1 (low position)
2	1x short	Position 2 (medium position)
3	1x short	Position 3 (high position)
	1x short	Position 3 (timer mode) temporary 15 minutes
	2x short	Position 3 (timer mode) temporary 30 minutes
	3x short	Position 3 (timer mode) temporary 60 minutes
auto	1x short	Automatic mode

When a button is pressed on the remote control, the LED turns green, after which it flashes to confirm. The following indications are possible:

List of 15RF remote control indications

Indication	Notification on remote control
Device OK, message followed	
Device OK, timer activated 15 min.	
Device OK, timer activated 30 min.	
Device OK, timer activated 60 min.	
RF communication problem	
Understood, but problem in device	
Learning mode is being initiated	
Successful connection with device	
Low battery	
Remote control reset carried out	

= Green = Red = Orange

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