# Installation Guide



## C1161R

RF On/Off Receiver

For compatible wireless kinetic switches.

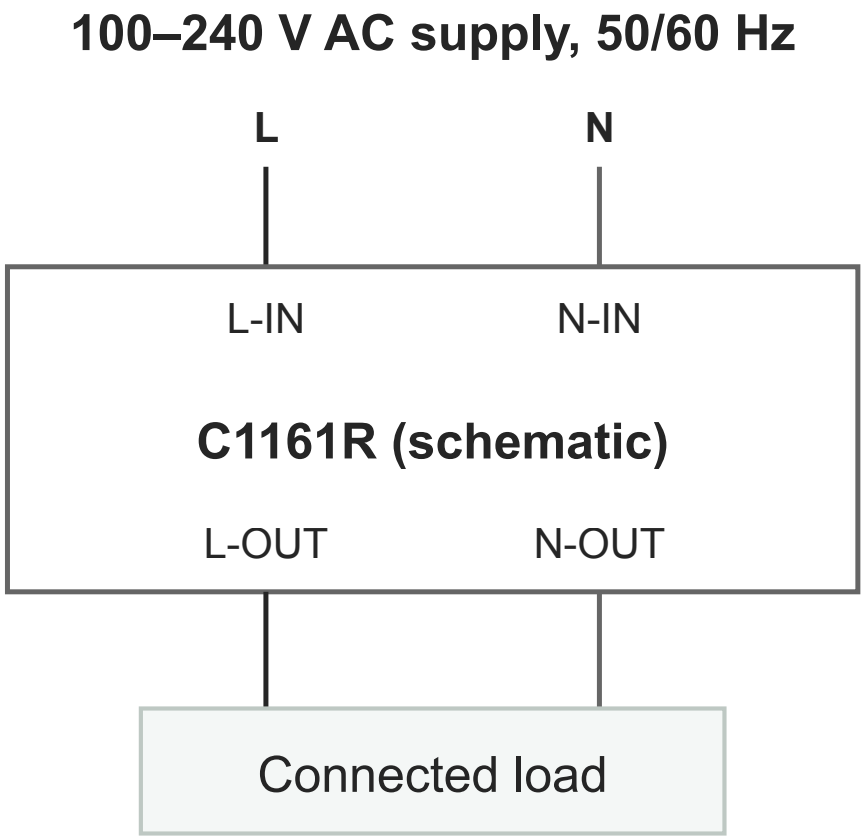
# Technical parameters

| | |
|---|---|
| **Input / output** | 100–240 V AC<br>50/60 Hz |
| **Rated current** | 10 A max. |
| **Resistive load** | 2000 W max.<br>at 240 V AC only |
| **LED load** | 500 W max.<br>100–240 V AC |
| **Wireless protocol** | 433 MHz RF (ASK) |
| **Pairing capacity** | Up to 10 different<br>kinetic switches |
| **Dimensions** | 44 × 44 × 22 mm |
| **Operating temperature** | −10 to +55 °C |

**Do not exceed 10 A at any supply voltage. The 2000 W resistive rating applies at 240 V AC only.**

# 1. Supply and load connections

Isolate the mains supply before wiring or changing connections. Have the receiver installed by a qualified electrician.




**Terminal arrangement (front view)**

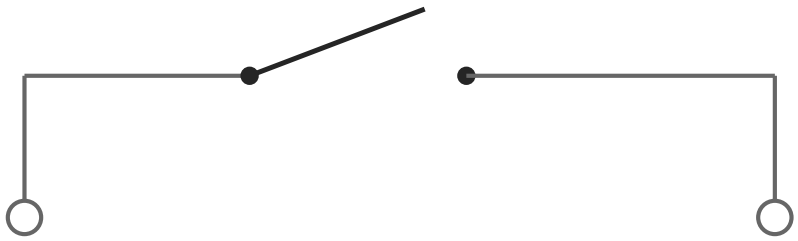
| L-OUT | L-IN | N-IN | N-OUT | S1 | S2 |
|---|---|---|---|---|---|

# 2. External switch wiring

**S1 is internally linked to L-IN (live). S2 is the switched-live input.**

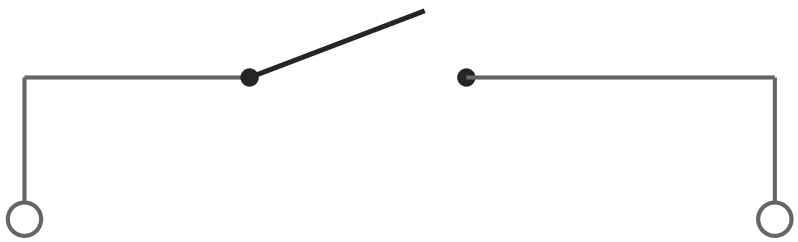
Use a maintained switch or momentary push-button. For multi-location control, see pages 5 and 6.

## A. External switch between S1 and S2



**S1 (live)** **S2**

## B. External switch between L and S2



**L (from L-IN supply)** **S2**

The external switch must use the same live supply as L-IN. Do not connect a separate supply.

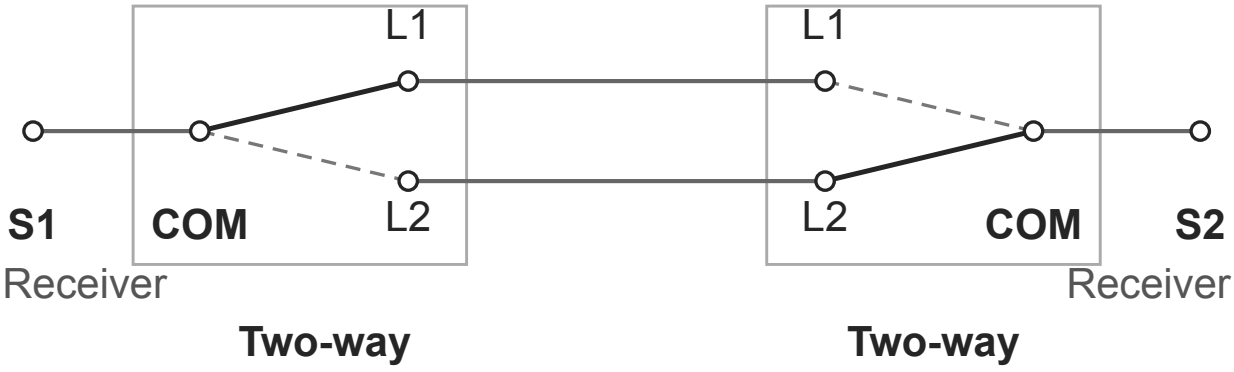
# 3. Multi-location wiring - Europe

**S1 is live. Isolate and verify dead before wiring.**

S1: linked to L-IN. S2: switched-live input (same receiver).
Functional diagram; terminal layout varies. Supply/load: page 3.

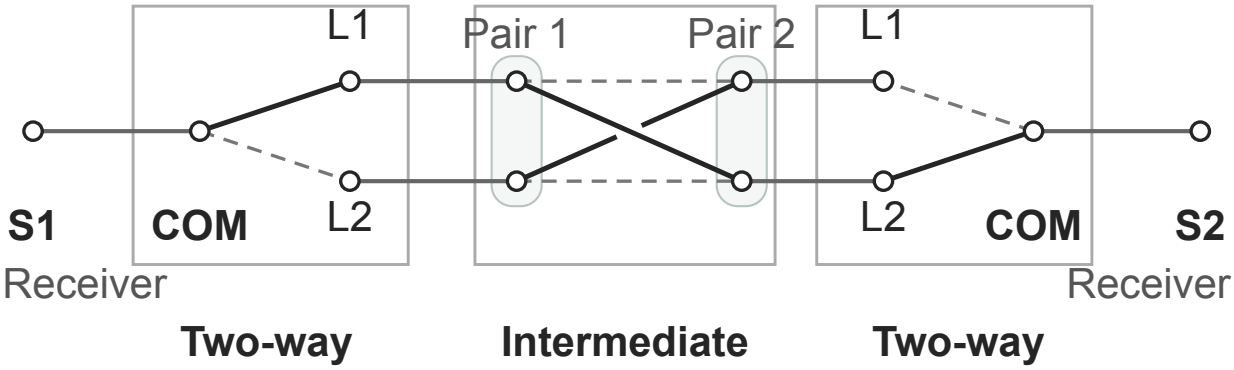
## A. Two-way switching

Control from two locations




## B. Intermediate switching

Control from three locations




COM = common (may be marked C or L).
Solid/dashed: alternative internal contact positions.
Identify pairs by switch markings; use the L-IN supply.

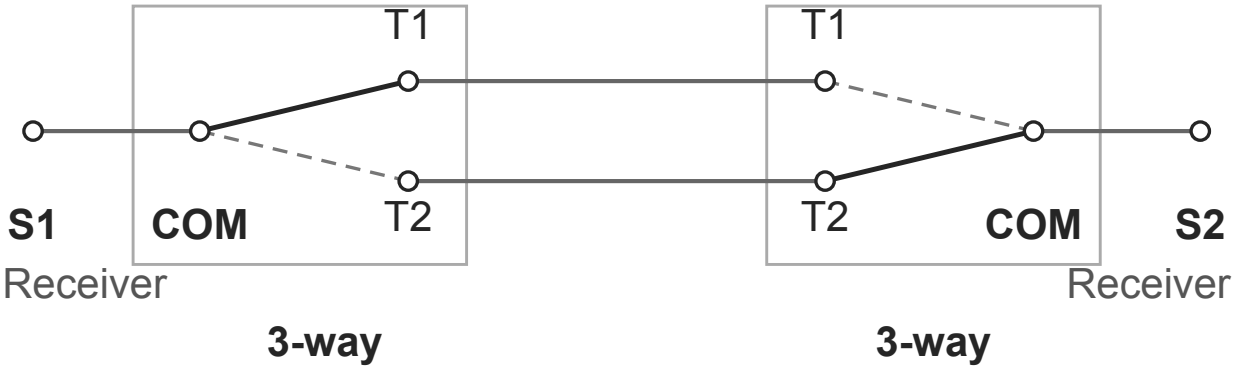
# 4. Multi-location wiring - US

**S1 is live. Turn off power and verify it is off.**

S1: LINE (L-IN); S2: switched-hot input (same receiver).
Functional diagram; terminal layout varies. Supply/load: page 3.

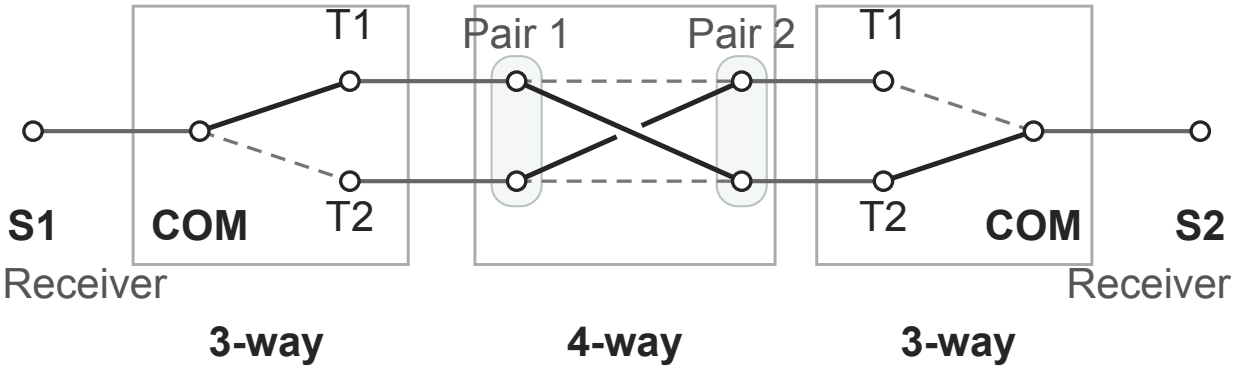
## A. 3-way switching

Control from two locations




## B. 4-way switching

Control from three locations




COM = common; T1/T2 = travelers (diagram labels).
Solid/dashed: alternative internal contact positions.
Identify pairs by switch markings; use the L-IN supply.

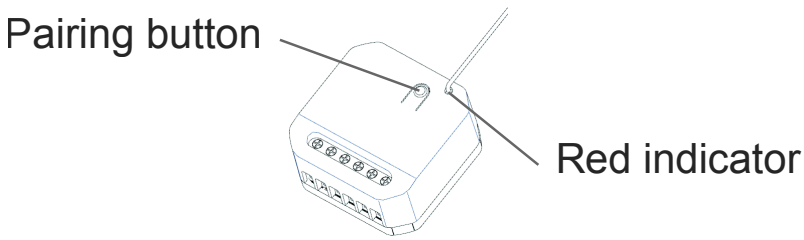
# 5. Pairing and operation

With the receiver powered from its AC supply, hold the pairing button for about 3 seconds. Release it when the red indicator lights up, then press one key of a compatible wireless switch once. Avoid rapid repeated presses. The red indicator goes out when pairing succeeds. The wireless switch can then control the receiver.

## Pairing steps

1. Connect the receiver to the AC supply.
2. Hold the pairing button for about 3 seconds.
3. Release the button when the red indicator lights up.
4. Press one wireless switch key once.
5. Check that the indicator goes out, then test the switch.

**Note: If no wireless key is paired within 60 seconds, the receiver exits pairing mode and the red indicator goes out.**



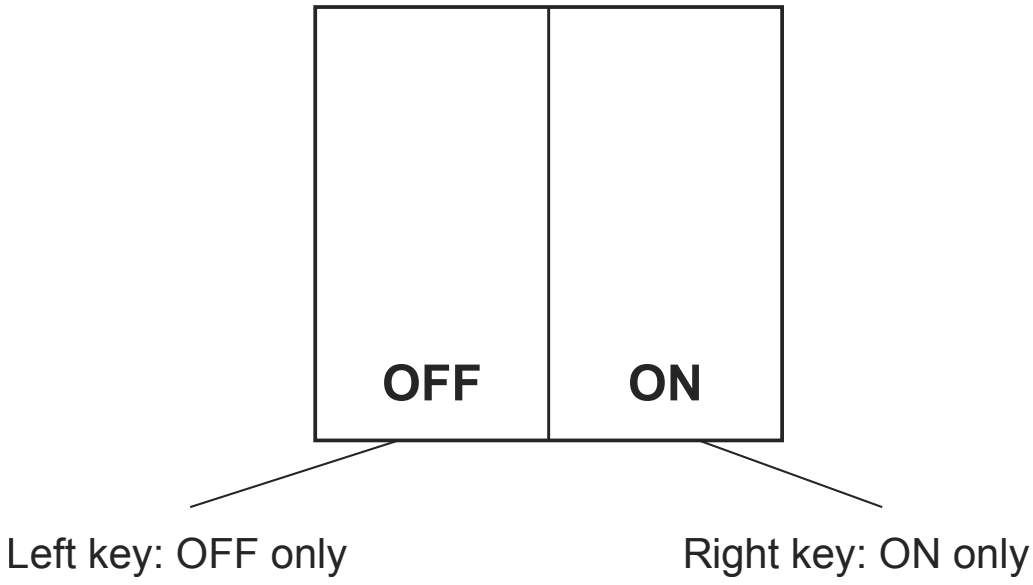
# 6. Optional directional pairing

For 2-gang switches only; normal pairing is supported.

When one switch controls several receivers, a missed signal can leave lights in different states. A short press of the left key sends OFF; the right key sends ON.

To pair, follow steps 1 to 3 on page 7, then press the same key 3 times within 1 second. The red indicator goes out when pairing succeeds.

## Key functions in directional mode




Repeat the OFF or ON command if any lights remain out of sync.

# 7. Clearing and troubleshooting

## Clear all paired switches

Press and hold the pairing button for about 6 seconds. Release it when the red indicator changes from on to off. The red indicator flashes 3 times to confirm that the paired switches have been cleared.

**Pair the required wireless switches again after clearing.**

## Troubleshooting

**No wireless response**
Check the AC supply and connections, then check whether the wireless switch has been paired.

**Pairing does not complete**
Repeat the pairing sequence. Press the wireless switch once while the red indicator is on.

**Load does not switch**
Disconnect the AC supply. Check the load wiring and the receiver current and load limits.