

RADIO CONTROLLER 180 FLAT



PRODUCT INFORMATION

B.

Berker the right way.

RADIO CONTROLLER 180 FLAT - THE FLEXIBLE SOLUTION FOR INTERIORS

The demands of a perfect house installation change frequently over time. Rooms need to be used differently or the existing lighting needs to be switched more conveniently. Thanks to its design and cable-independent operation, the Berker Radio Controller 180 Flat is the ideal solution when automatic switches are needed given difficult installation requirements. Light can now be switched where it is wanted, instead of where there happens to be a cable in the wall.

DIVERSE AREAS OF USE

- Rooms with light switches mounted on the outside, such as baths and guest toilets, extra rooms and storage rooms
- Winding corridors and hallways
- Cellar rooms

IDEAL FOR UPGRADING

- Simple and fast installation without flush-mounted sockets Installation using screws or adhesion to almost every desired surface, even on glass surfaces*, tiles, or room dividers
- Cable-independent electrical supply by commercially-available coin cells
- Both single mounting as well as simple integration in Berker combination frames available
- No noise, no dirt, no caulking work

TOTALLY COMBINABLE

- Available in various Berker designs
- Simple and trouble-free expansion due to additional functions within the Berker Radio bus system



RADIO CONTROLLER 180 FLAT,
K.1 Design



Radio Controller 180 Flat,
Installation elements

TECHNICAL DATA:

Power supply	3 V =
Battery type	1 x Lithium coin cell (type: CR 2450 N)
Battery life	approx. 2 – 3 years
Fast flashing of red LED (approx. 1 s after transmission)	Battery flat, change
Transmission frequency	433.42 MHz, (ASK)
Transmission range max.	100 m (free field)
Transmission power	< 10 mW
Radio codes (assign once)	> 1 mill.

* Rear-adhesive visual protection film available on request for installing on glass.

APPLICATION EXAMPLES

Task: automatic light control in the bathroom.

Situation: main light switch is placed outside the bathroom. There are no light switches or flush-mounted boxes in the bathroom.

Problem: mounting a conventional controller is only possible by opening up the wall and putting a new flush-mounted box in the bathroom. An additional limitation: a 230 V installation in protection zones can only be done at greater expense.

Solution: replace the exterior switch by a BLC insert and BLC radio button. Mount the Radio Controller 180 Flat in the bathroom across from the door.

Advantages: there are no additional cables and flush-mounted boxes necessary. Safety in the bathroom due to low-voltage supply. There is no damage to bathroom tiles from having to open them up.

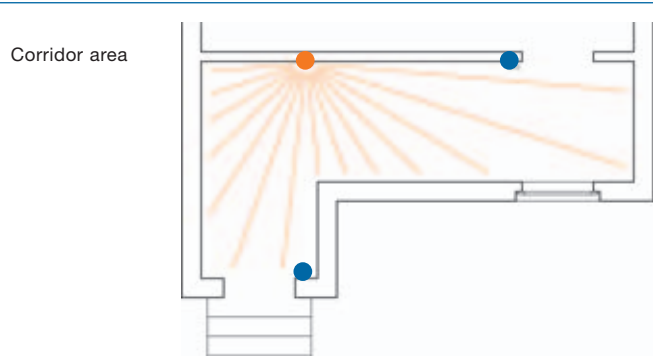
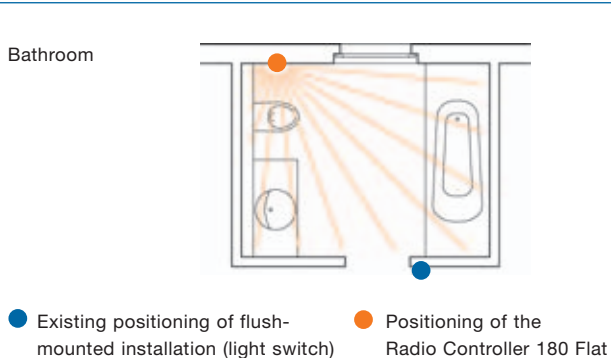
Task: automatic light control in the corridor area.

Situation: winding, L-shaped corridor with change-over switching. Two light switches are located next to the door frames.

Problem: integrating two conventional controllers is not possible in the existing flush-mounted installation. Light characteristics at the window interfere with brightness measurement. The Neutral-conductor is missing in the flush-mounted boxes.

Solution: replace the two light switches by BLC inserts, one with a BLC radio rocker and the other with a BLC button. Mount the Radio Controller 180 Flat in the central part of the corridor.

Advantages: optimum positioning of the controller in the centre of the room. Both doors are covered by one controller. Brightness is measured at the darkest position.



TECHNICAL DATA:

R&TTE approval (for EU and EFTA countries)	Yes
Number of channels	1
Detection angle	180°
Detection field semi-oval, approx.	10 x 12 m
Recommended installation height	1.1 m
Response brightness approx.	1 – 80/∞Lux
Operating temperature	5 – 35 °C
Protection class IP	20
Installed height approx.	23 mm

BERKER THE RIGHT WAY.

Do you know how you can make living spaces more comfortable and individual? At Berker, we have been working on this since 1919 – and in the meantime, have found many interesting answers.

Switches and systems from Berker are used around the world to make things more beautiful, simple, and comfortable for people. We do this by making quality, design, and innovation a high priority. Numerous awards attest to this, both domestically and abroad.

Berker is a leading provider of high-quality electrical installations – from timeless, classic switch design to intelligent building system technology. Every development is oriented to one thing: our customers. After all, you should be enjoying our products for decades.

Don't just organise your life based on taste, but also based on the latest technology – with Berker in our own way.



Berker Switches and Systems

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