

**ABB****FAD/A1.1**

DCF antenna

2CDG120040R0011

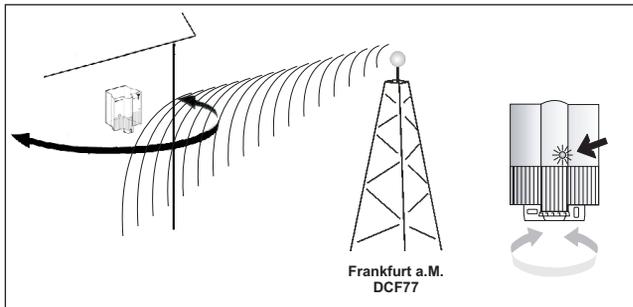


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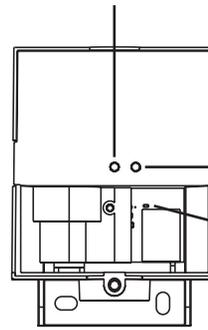
## Use

Intelligent DCF antenna with processor-controlled reception. The data are evaluated and sent to the receiver after 3 min. at the earliest. The connection to the receiver is checked every 3 min.

## Align DCF antenna



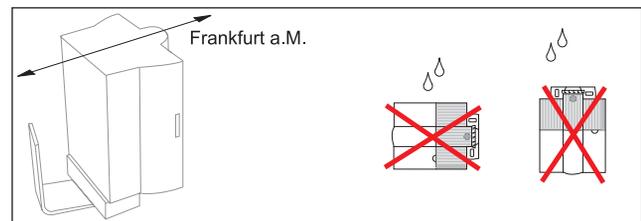
yellow LED lights up if no receiving signal is available



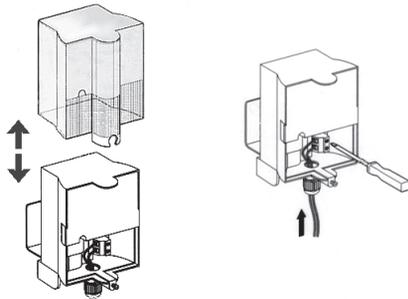
green LED flashes if DCF reception is available

red LED lights up if the 2-wire cable is not correctly connected to the timer

- Align the radio antenna so that the green LED flashes once a second (reception available).



## Install DCF antenna



Best reception is achieved by installing on outside of buildings.

- Ensure correct polarity!
- Do not lay cable parallel to antenna!
- Avoid installation in the vicinity of
  - electric circuit components
  - Radio transmitters
  - metallic objects
  - television sets

Antenna function only possible if the connected device is supplied with operating voltage.

## Technical data

- Power supply: two-pin
- Operating/bus voltage: 18 V/5 mA (**protective low voltage**)
- Permissible ambient temperature:  $-20\text{ °C} \dots +70\text{ °C}$
- Protection class: III in accordance with EN 60730-1 for designated installation
- Protection rating: IP 54 in accordance with EN 60529
- Cable types:
  - Sheathed cable: NYM (3 x 1.5 mm<sup>2</sup>)
  - MCA cable: PYCYM, YCY (2 x 2 x 0.8 mm<sup>2</sup>)
  - Telephone cable: J-Y(St)Y (2 x 2 x 0.8 mm<sup>2</sup>)
  - Bell wire: YR
- Sensitivity: 100  $\mu\text{V/m}$
- Reception area: 1500 km around Frankfurt/Main
- Reception duration: minimum 3 minutes
- Number of participants: maximum of 10 participants per antenna

## Service address

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