

The antenna is used in connection with a radio-controlled time switch for receiving the time standard of the DCF 77 transmitter located in Mainflingen near Frankfurt. This time signal is transmitted via radio and can be picked up within a radius of 1000 km around Frankfurt.

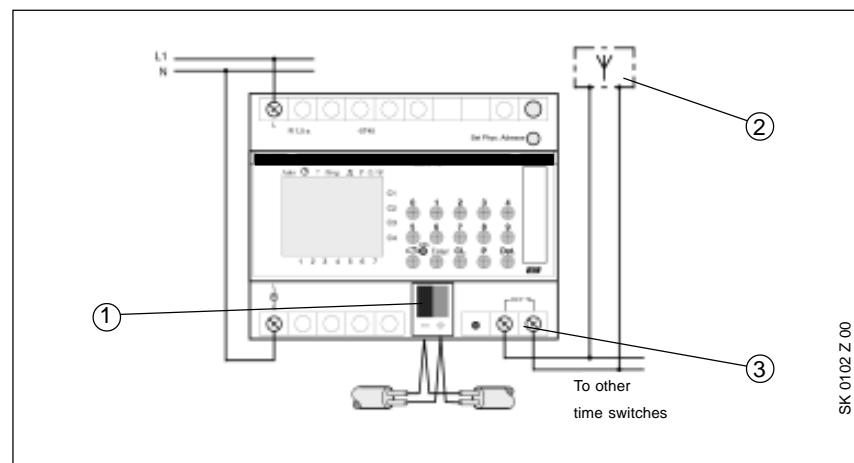
The antenna is provided with an LED for receiving signals which helps in the alignment of the antenna. A mounting bracket for wall-mounted installation is also supplied.

A maximum of 10 radio-controlled time switches can be connected to an antenna.

Technical data

Power supply	– Nominal voltage	12 VDC, via Week Time Switch
Operating and display elements	– Red LED	for alignment of the antenna and to indicate that the device is ready for operation
Connections	– Power supply	Screw terminals
	– Permitted cable	Wire range 0.5 ... 1.5 mm ²
		Power cable (e.g. NYM 3 x 1.5mm ²), max. 100 m
Type of protection	– IP 54, EN 60 529	
Ambient temperature range	– Operation	-20 °C ... 70 °C
Design	– Surface mounted	
Housing, colour	– Plastic housing, grey	
Mounting	– with mounting bracket on vertical surface	
Dimensions	– without mounting bracket	112 x 70 x 55 mm (H x W x D)
	– with mounting bracket	112 x 70 x 80 mm (H x W x D)
Weight	– 0.14 kg	
CE mark	– in accordance with the EMC guideline and the low voltage guideline	

Wiring diagram

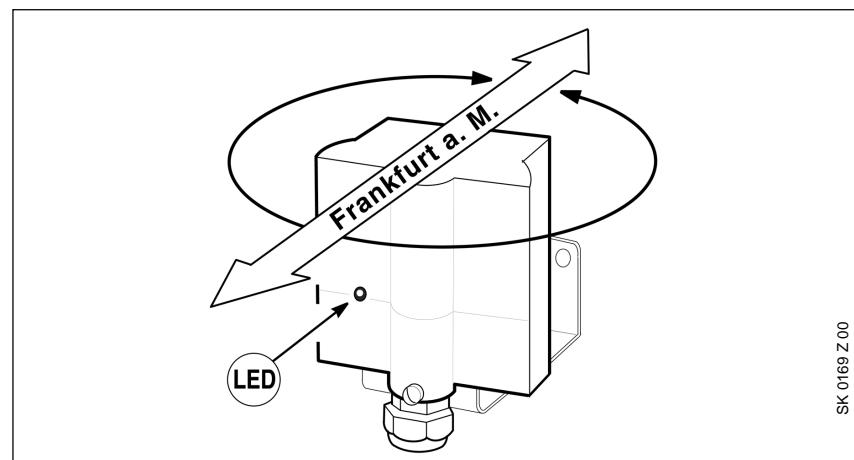


1 Bus connection
2 Antenna FA/A 2.1

3 DCF 77 antenna connection

Alignment diagram

9



9

Note

The antenna should be installed with the mounting bracket supplied in a location where the antenna can easily be aligned in the direction of Frankfurt.

When selecting the installation site, you should avoid places that are near television sets, switched-mode power supply units, radio transmitters or large metal objects.

Connect the antenna supply lead to the screw terminals provided. Once you have put the radio-controlled time switch into operation, the antenna's LED for receiving signals starts to flash. Align the antenna so that the LED flashes at intervals of 1 second. Once the antenna has been aligned as above, fix the antenna in position by screwing the compression gland to the cable entry. Finally, the housing cover is placed on top with the snap locks and secured in place with a screw.