

GM-2022 DCF Receiver

For all master-clocks

Features

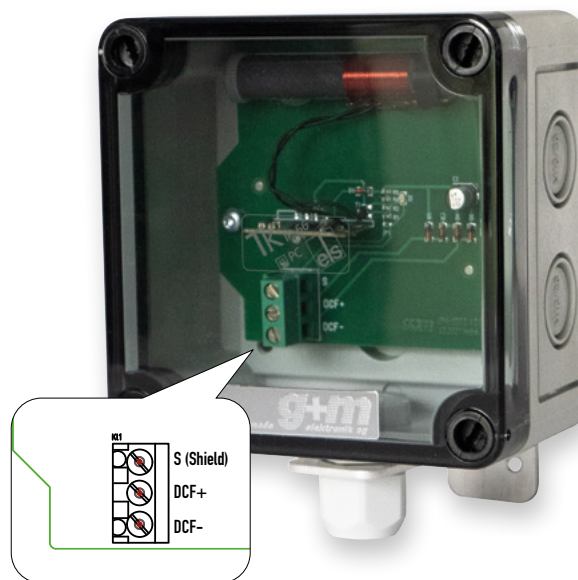
The radio receiver GM-2022 is an accessory for the master clocks from g+m elektronik and receives the DCF-77 telegram, which is transmitted from Mainflingen (Germany). The range of the signal is about 1500 kilometers. If the installation site is outside the range of the DCF signal, the GPS signal can be received worldwide as a time standard by means of the GPS receiver GM-122985.

General informations

- Accessory for all g+m master clocks
- Small, compact design, easy installation
- Reception of time and date, automatically passed on to the master clock
- Daylight saving time changeover via DCF telegram
- Max. cable length 200 m
- Power supply via master clock (without battery)
- Mounting preferably on external facade
- Reception control via built-in LED, flashes every second on reception
- In the event of reception interference, the master clocks are quartz-controlled and run without interference

Technische Informationen

Dimensions (W×H×D)	95 × 115 × 55 mm
Antenna	Built-in ferrite rod
Receiver	Narrow band superheterodyne receiver
Reception	Control via LED, flashes on reception
Ambient temperature	-20 °C bis +50 °C
Housing	thermoplastic with viewing window
Mounting type	Wall mounting
Protection class	IP65 according to EN60529
Cable cross section	0.8–2.5 mm ²
Recommended cable	U72 1 × 4 × 0.8 mm ² or similar cord
Weight	100 g



Installation

Connect the receiver provisionally. Hold the receiver in horizontal position and check the reception with the aid of the LED in the interior of the receiver. In case of good reception the LED flashes in the seconds clock pulse. An irregular flicker of the LED means a bad reception. If necessary, turn or move the receiver until the optimal reception position is found. Mount the receiver and make the connections definitive.

Possible interfaces sources

Permanently turned on fluorescent lamps

Minimum distance to the receiver: 1 m

Electric wires

Minimum distance to the receiver: 50 cm

Permanently activated electromechanical relays

Minimum distance to the receiver: 5 m

Salve clocks

Minimum distance to the receiver: 10 cm