

Technical Specification

- ✓ Connectable to Combi Meter/4-Quadrant Meter, VDEW Meter, Summator/Tariff Device
- ✓ Precise time - exact to the second
- ✓ Simple connection
- ✓ Battery independent
- ✓ For indoor and outdoor mounting



DCF77-TH2

Radio Clock Aerial

for DCF77-Time Reception
connectable to EMH Meters

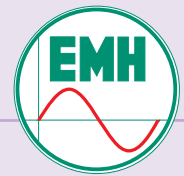
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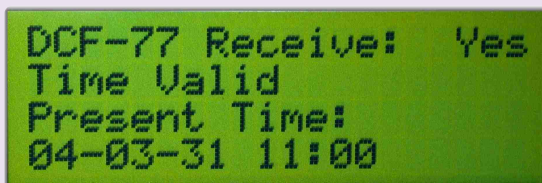
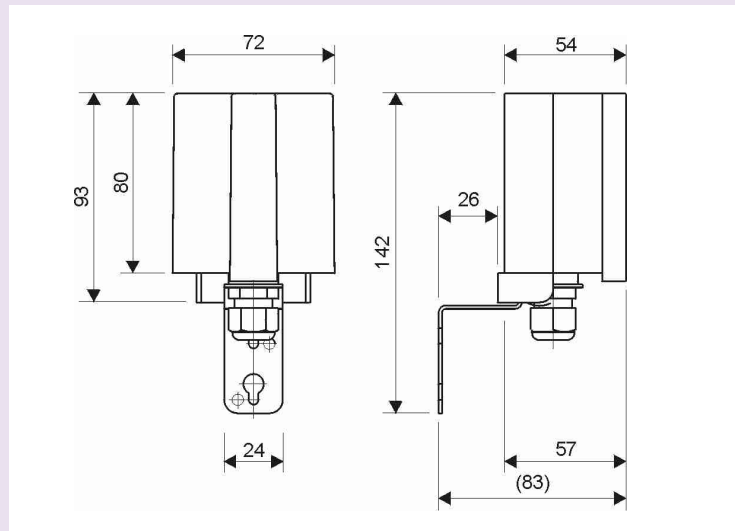
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Radio Clock Aerial DCF77-TH2 for DCF77-Time Reception



Special Characteristics

- Connectable to Combi Meter/4 Quadrant Meter, VDEW-Meter, Summator/Tariff Device
- Precise synchronisation of the tariff device clock every second
- Synchronisation every minute by radio transmitter DCF 77*
- Simple 2-wire connection
- LED for direction orientation
- Angle of rotation 360°
- Battery-independent
- Small housing dimensions
- Suitable for indoor and outdoor mounting



Time monitoring on EMH display (integrated Real Time Clock, synchronised via Remote Radio Aerial DCF77-TH2)

LED (red)	flashes at one second intervals with undisturbed reception
Receiving radius	approx. 1500 km, centre point Frankfurt a.M.
Alignment	arrow (on housing) points to direction of Frankfurt a.M.
I_{Aerial} (with the activation of an opto-coupler with power supply 15V (R _F =1K μ Ω))	log. "1" approx. 10mA (impulse) log. "0" approx. 100 μ A
Transmission frequency	77.5 kHz
Sensitivity	100 μ V/m
Output contact	S0 (DIN 43 864)
Cable cross section	e.g. NYM 3 x 1.5 mm ²
Connection	standard length = 5 m (max 100 m total length for operation in undisturbed environment is possible)
Polarity	Attention! (brown + / blue -)
Temperature range	-20°C...+70°C
Class of protection	IP 54, suitable for outdoor mounting (dust-protected, splash-proof)
Mounting	wall mounting, angle of rotation 360°
Weight	335 g (incl. 5 m cable)
Dimensions	see drawing above
Mounting instructions	do not install near <ul style="list-style-type: none"> • TV-receivers, monitors • transmitters • switched-mode power supplies • metal objects • other sources of high frequency interferences

Product Specifications are subject to change without notice.

*The PTB (Physikalisch-Technische Bundesanstalt / Federal Physical-Technical Agency) is obligated acc. to German law to make available the legal time. To spread the legal time CET and the legal summer time (daylight savings time) the PTB has rented a long wave transmitter DCF77 in Mainflingen (near Frankfurt a.M.). For uninterrupted duty a stand-by transmitter and aerial are installed so that an interrupt-free transmission (24 h) is guaranteed.



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