

PEWETA AirPort24 Transmitter and Repeater

Time distribution by RF transmission (868 ... 869 MHz)

As an alternative to wire-bound clock systems or to individual clocks with DCF77 aerials, the PEWETA AirPort24 radio telegram technology permits the distribution of a time signal by radio inside or outside of buildings.

The PEWETA AirPort24 transmitter receives the time and date telegram either by wire from a PEWETA type series 920 Master Clock (see pages 184...187) or as an NTP client by LAN and transmits the complete time/date information by radio (in the 868...869 MHz UHF-band) with a range of about 250 m inside buildings (up to cir. 1,000 m outdoors). All PEWETA AirPort24 radio telegram slave clocks within this range will automatically self-adjust to the current time and date indication.

Using PEWETA AirPort24 repeaters extends the range by a further 250 m per repeater.

PEWETA AirPort24 transmitter
Transmitter with integrated aerial for distributing the PEWETA AirPort24 time/date telegram to all radio telegram slave clocks within a radius of cir. 250 m inside buildings (up to cir. 1,000 m outdoors).
Choice of **input signal**:

- **PEWETA DCFport24 pulse telegram**
for synchronization by a PEWETA type series 920 Master Clock
- **NTP**
for synchronization by LAN (NTP client).

PEWETA Airport24 repeater
Receives the PEWETA AirPort24 time/date telegram from the PEWETA AirPort24 transmitter and transmits the PEWETA AirPort24 time/date telegram to radio telegram slave clocks within a radius of cir. 250 m inside buildings (up to cir. 1,000 m outdoors).



10.940.100 shown

Technical data for transmitter and repeater	
Frequency range	868 ... 869 MHz
Output power	adjustable in steps, up to 500 mW
Operating voltage	230 V AC/50...60 Hz (mains adapter included)
Case	material: plastic, light grey
	dimensions: cir. 199 x 178 x 57 mm
	protection grade: IP 54 (EN 60529)

PEWETA AirPort24 transmitter	Item No.	€ each
Input: PEWETA DCFport24 pulse telegram	10.940.100	589.-
Input: NTP synchronization by LAN (NTP client)	10.940.200	869.-
PEWETA AirPort24 repeater	Item No.	€ each
Input: PEWETA AirPort24 radio telegram	10.941.100	679.-

Characteristics

- Transmission of the complete time/date telegram
- Reliable transmission of time/date telegram within a range of 250 m inside buildings, more than 1,000 m outdoors
- Unlimited number of AirPort24 telegram slave clocks within this range
- Cost-effective and simple wireless installation
- Capable of unlimited expansion by using repeaters
- Location of clocks at random, indoors or outdoors within transmission range
- Also suitable to expand existing, wire supported slave clock networks.



10.941.100 shown



AirPort24 transmitter and repeater

Type series
940

Type series
941



Any questions about technical details?

We will be happy to help with hints to planned projects and examples of specific applications. Don't hesitate to contact us. We look forward to your call or your e-mail.