PEWETA *AirPort24* Telegram

- self-adjusting slave clocks
- wireless transmission of time data

Wherever a **wire–based** time system cannot be implemented and/or expanded and the use of standalone DCF77 radio controlled clocks is inappropriate due to poor reception conditions, **wireless** PEWETA *AirPort24* technology offers a professional solution.

Function

An *AirPort24* radio telegram transmitter broadcasts complete time information (hours, minutes, seconds, date, and year) by radio (868..869 MHz) within a radius of cir. 250 m (indoors) and cir. 1,000 m (outdoors), respectively.
All *AirPort24* radio telegram slave clocks within this radius will be automatically adjusted to current time and date.
Operating power for *AirPort24* radio telegram slave clocks is supplied either by battery or by 230 V AC mains power.

Synchronisation

AirPort24 radio telegram transmitters are synchronised by one of these options

1 the *DCFport24* telegram supplied by a PEWETA Master Clock receiving aerial
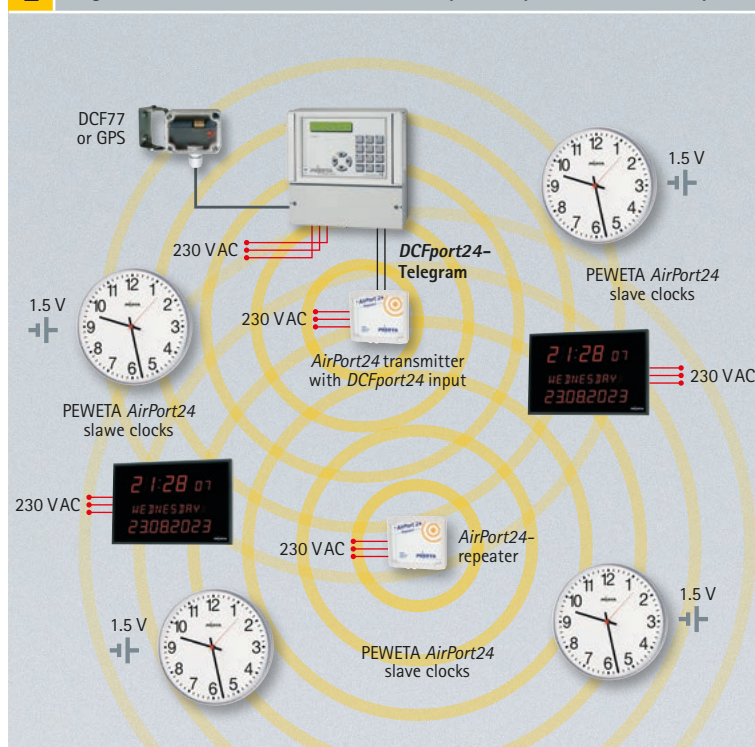
2 LAN (RJ45 NTP input).

Expansion

The range of the system may be expanded by the use of *AirPort24* radio telegram repeaters. These receive the PEWETA *AirPort24* time telegram from an *AirPort24* transmitter at the periphery of the propagation area and relay the time telegram within a further radius of cir. 250 m (indoors) or 1,000 m (outdoors) towards the radio telegram slave clocks.
PEWETA *AirPort24* radio technology is suited for a standalone, wireless time system as well as for the expansion of an existing conventional time system, whose wire network, for whatever reason, is not suited for subsequent expansion.
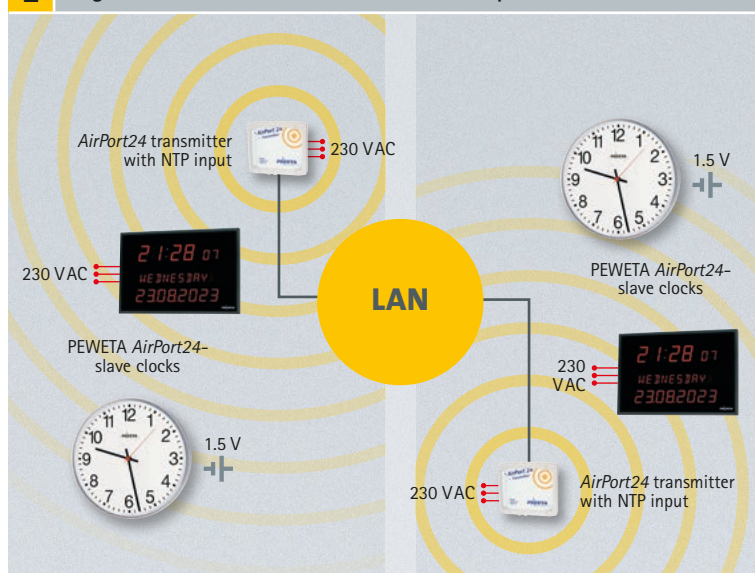
Advantages

- transfer of the **complete time and date protocol**

- **safe transmission** within a radius of up to cir. 250 m (indoors) and up to cir. 1,000 m outdoors, respectively

- **unlimited number** of *AirPort24* radio telegram slave clocks within this range

- **expandable without limits** by repeaters (signal boosters)

- **simple, cost–effective and flexible installation**, no wiring necessary.

1 Diagram shows 1 *AirPort24* Transmitter with *DCFport24* input and 1 *AirPort24* Repeater

2 Diagram shows 2 *AirPort24* Transmitters with NTP input

AirPort24 **telegram** function and advantages