

# PEWETA AirPort24 Radio 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 VAC mains power.

## Synchronisation

AirPort24 radio telegram transmitters are synchronised by one of these options

- 1 the DCFport24 pulse telegram supplied by a PEWETA Master Clock
- 2 a PEWETA DCF77 receiving aerial
- 3 LAN (RJ45 NTP input).

## Expansion

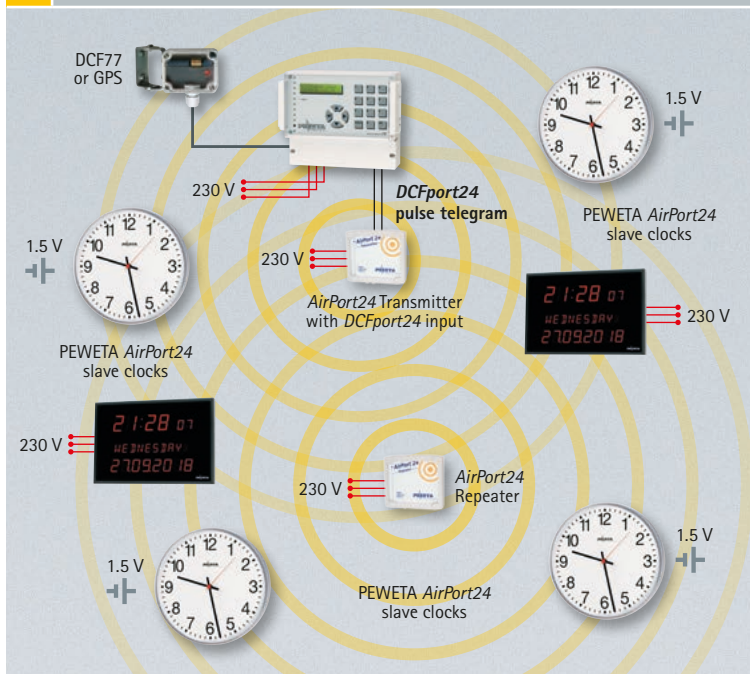
The range of the system may be expanded by the use of AirPort24 radio telegram repeaters. These receive the PEWETA AirPort24 time telegram from an AirPort24 transmitter at the periphery of the propagation area and relay the time telegram within a further radius of cir. 250 m (indoors) or 1,000 m (outdoors) 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.

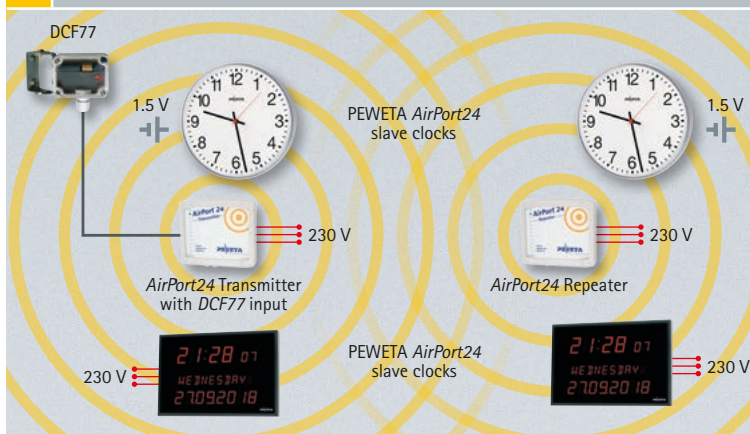
## Advantages

- 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.

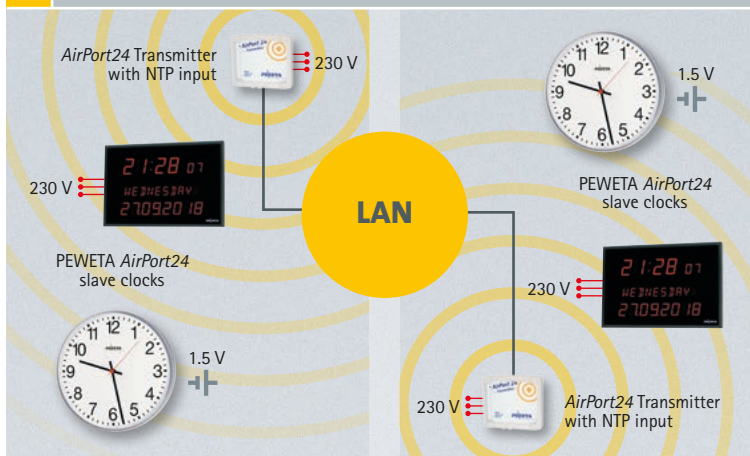
1 Diagram shows 1 AirPort24 Transmitter with DCFport24 input and 1 AirPort24 Repeater



2 Diagram shows 1 AirPort24 Transmitter with DCF77 aerial and 1 AirPort24 Repeater



3 Diagram shows 2 AirPort24 Transmitters with NTP input



**AirPort24**  
radio telegram  
function and  
advantages

