

# Indoor Clocks

## single face



Indoor  
analog  
single face

Type series  
**281**



81.281.331 shown

Wall clocks with sturdy **metal cases** with shock-resistant front glasses. State-of-the-art, up-to-date, functional – totally reliable!



71.281.331

Slave clock, minute pulse 12...60 V

### Case

- cir. 275x275 mm
- cir. 325x325 mm
- cir. 425x425 mm

very sturdy metal case, enamelled white (RAL 9016). Optionally, at a surcharge, enamelled in metallic silver grey (RAL 9006), in dark gun metal (DB 703) or custom enamelled, as listed below.  
Protection grade IP 40 (EN 60529).

### Front glass

Flat shock-resistant Plexiglas® XT for outstandingly clear visibility.

### Face

High distinction white metal with black fine-line markings for easy, doubt-free reading even over longer distances.  
Face printed according to DIN 41 091.

### Hands

Black bar-type hour and minute hands, red second hand.

No second hand on minute pulse 12...60 V controlled slave clocks.



**Indoor analog single face**

### Power outage reserve

DCF77 radio controlled clocks and AirPort24 slave clocks with a 230 VAC power supply of this type series provide continued operation for approx. 14 days in case of a mains power outage.

| Clock type  | Face dimensions ▶ | 250 x 250 mm |        | 300 x 300 mm |        | 400 x 400 mm |        |
|---|-------------------|--------------|--------|--------------|--------|--------------|--------|
|   |                   | Item No.     | € each | Item No.     | € each | Item No.     | € each |
| Quartz clock, battery operated 1.5 V  |                   | 41.281.231   | 178.–  | 41.281.331   | 180.–  | 41.281.431   | 274.–  |
| DCF77 radio controlled clock, battery operated 1.5 V                            |                   | 51.281.231   | 233.–  | 51.281.331   | 235.–  | 51.281.431   | 339.–  |
| DCF77 radio controlled clock, mains operated 230 VAC, with outage reserve       |                   | 52.281.231   | 313.–  | 52.281.331   | 315.–  | 52.281.431   | 419.–  |
| Slave clock, minute pulse 12...60 V   |                   | 71.281.231   | 193.–  | 71.281.331   | 195.–  | 71.281.431   | 279.–  |
| Slave clock, minute/second pulse 12/24 V  |                   | 72.281.231   | 438.–  | 72.281.331   | 440.–  | 72.281.431   | 524.–  |
| Slave clock, minute/second pulse 12/24 V, extra low noise motion                |                   | 73.281.231   | 558.–  | 73.281.331   | 560.–  | 73.281.431   | 644.–  |
| Slave clock, minute pulse 12/24 V, synchronous second hand 230 VAC/50 Hz        |                   | 74.281.231   | 603.–  | 74.281.331   | 605.–  | 74.281.431   | 689.–  |
| Slave clock, second pulse 12/24 V, with creeping minute hand                    |                   | 75.281.231   | 578.–  | 75.281.331   | 580.–  | 75.281.431   | 664.–  |
| Telegram slave clock, DCFport24   |                   | 81.281.231   | 228.–  | 81.281.331   | 230.–  | 81.281.431   | 314.–  |
| RC telegram slave clock, AirPort24, battery operated 1.5 V                      |                   | 84.281.231   | 347.–  | 84.281.331   | 349.–  | 84.281.431   | 433.–  |
| RC telegram slave clock, AirPort24, mains operated 230 VAC, with outage reserve |                   | 85.281.231   | 407.–  | 85.281.331   | 409.–  | 85.281.431   | 493.–  |
| NTP system clock (NTP client), synchronisation by LAN, PoE <sup>1)</sup>        |                   | 91.281.231   | 377.–  | 91.281.331   | 379.–  | 91.281.431   | 463.–  |

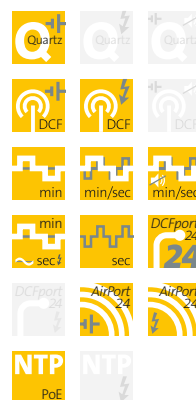
| Options   | 250x250mm Suffix | Surcharge € each | 300x300mm Suffix | Surcharge € each | 400x400mm Suffix | Surcharge € each |
|---|------------------|------------------|------------------|------------------|------------------|------------------|
| Case enamelled in metallic silver grey RAL 9006         | -05              | 10.–             | -05              | 10.–             | -05              | 10.–             |
| Case enamelled in metallic dark gun metal DB 703        | -06              | 10.–             | -06              | 10.–             | -06              | 10.–             |
| Case custom enamelled                                   | -10              | on request       | -10              | on request       | -10              | on request       |
| External DCF77 receiving aerial (cannot be added later) | -60              | 169.–            | -60              | 169.–            | -60              | 169.–            |

### Options – just as you like them ...

These clocks are available optionally with customised features at the surcharges as listed. Just pick your option(s) and add the appropriate suffix(es) to the Item No.

| Case colour                   | Suffix |
|-------------------------------|--------|
| metallic silver grey RAL 9006 | -05    |
| dark gun metal DB 703         | -06    |
| custom enamelled              | -10    |

### Type series 281



### DCF77 radio controlled clocks

DCF77 radio controlled clocks will only function correctly within a radius of approx. 1,500 km around Mainflingen (50 km east of Frankfurt/M.) and under conditions of free radio propagation and may be impaired in heavily reinforced concrete structures. For this case we recommend a removable DCF77 aerial (option).

### PEWETA DCFport24

PEWETA DCFport24 slave clocks require a PEWETA master clock (see from page 178 on).

### PEWETA AirPort24

PEWETA AirPort24 slave clocks require an AirPort24 transmitter or repeater respectively (see page 183).

### NTP

NTP system clocks require a PEWETA master clock (see from page 178 on) or an NTP time server (see page 185).

<sup>1)</sup>NTP system clocks of "PoE" type require a PoE (Power over Ethernet) power supply. Appropriate hardware has to be supplied by customer.