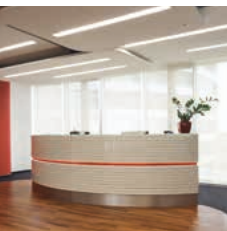


# LED Digital Clocks

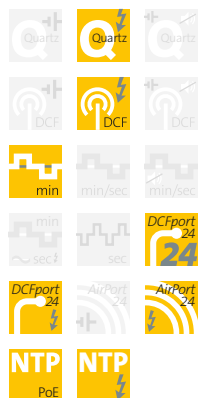
for offices, production areas, and places of high publicity



**Indoor**  
digital  
single- and  
double-sided

Type series

**511**



81.511.551 shown

LED digital clocks, single- or double-sided with distinct, brightly lit LED bars guarantee optimal reading clearness.



43.548.251 shown



71.511.553 -89 shown

## Case

- cir. 440x150x34 mm (cipher height 57 mm)
  - cir. 770x250x43 mm (cipher height 100 mm)
- Extra flat, very sturdy metal case, enamelled black (RAL 9005). Protection grade IP 40 (EN 60 529).

## Mounting

- Single-sided version for on-wall mounting, optionally with an additional, sturdy wall or ceiling mounting bracket (accessory)
- Double-sided version includes sturdy wall or ceiling mounting bracket.

## LED digital display

- cipher height 57 mm (option: 38 mm for seconds)
  - cipher height 100 mm
- Single line display showing hours, minutes and seconds, 6-digits, bar-type 7-segment LED ciphers, colour red (optionally amber, green or blue at a surcharge). Automatic brightness control. Menu selection for hour offset and suppression of leading zero. Minimum 100 hours data retention in case of power loss. Operating voltage 230 VAC/50...60 Hz (12 VDC/AC optional). Under specific circumstances, the bus voltage may suffice to operate PEWETA DCFport24 version clocks<sup>2)</sup>.

## Stopwatch mode (option)

These clocks can be fitted with an additional stopwatch mode (count-up/ count-down). This mode is controlled by a wire-bound »Basic PRO« control unit (accessory). For technical details see page 135.

## Front glass

Flat acrylic glass.

## Double-sided LED digital clocks

Double-sided clocks come completely wired and assembled. All settings will be taken over by both sides automatically!

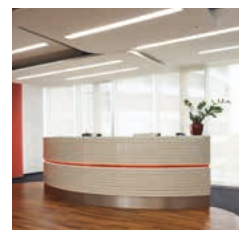
| Technical data    |                                       | Cipher height 57 mm    | Cipher height 100 mm   |
|-------------------|---------------------------------------|------------------------|------------------------|
| Case              | colour                                | black (RAL 9005)       | black (RAL 9005)       |
|                   | dimensions (length x width x depth)   | cir. 440 x 150 x 34 mm | cir. 770 x 250 x 43 mm |
| Display           | cipher height hours, minutes, seconds | cir. 57 mm             | cir. 100 mm            |
|                   | reading distance                      | cir. 20 m              | cir. 40 m              |
| Power consumption | display                               | max. 5 VA              | max. 6 VA              |

| Single-sided version (on-wall mounting)                                  | Cipher height ►<br>Operating voltage ▼ | 57 mm      | 100 mm     |
|--|--|------------|------------|
|  |  | Item No.   | Item No.   |
| Quartz clock   | 230 VAC                                | 42.511.551 | 42.511.951 |
| DCF77 radio controlled clock <sup>1)</sup>                               | 230 VAC                                | 52.511.551 | 52.511.951 |
| Slave clock, minute pulse 24 V   | 230 VAC                                | 71.511.551 | 71.511.951 |
| Telegram slave clock, DCFport24 <sup>2)</sup>                            | DCFport24                              | 81.511.551 | 81.511.951 |
| Telegram slave clock, DCFport24, 12/24 V                                 | 230 VAC                                | 83.511.551 | 83.511.951 |
| RC telegram slave clock, AirPort24                                       | 230 VAC                                | 85.511.551 | 85.511.951 |
| NTP system clock (NTP client), synchronisation by LAN, PoE <sup>3)</sup> | PoE                                    | 91.511.551 | 91.511.951 |
| NTP system clock (NTP client), synchronisation by LAN <sup>4)</sup>      | 230 VAC                                | 93.511.551 | 93.511.951 |

| Double-sided version (incl. wall and ceiling mounting bracket respectively)                             | Cipher height ►<br>Mounting ▼ | 57 mm      | 100 mm        |
|---|-------------------------------|------------|---------------|
|   |                               | Item No.   | Item No.      |
| Quartz clock,<br>operating voltage 230 VAC  | wall                          | 42.511.552 | not available |
|   | ceiling                       | 42.511.553 | 42.511.953    |
| DCF77 radio controlled clock,<br>operating voltage 230 VAC <sup>1)</sup>                                | wall                          | 52.511.552 | not available |
|   | ceiling                       | 52.511.553 | 52.511.953    |
| Slave clock, minute pulse 24 V,<br>operating voltage 230 VAC  | wall                          | 71.511.552 | not available |
|   | ceiling                       | 71.511.553 | 71.511.953    |
| Telegram slave clock, DCFport24,<br>operating voltage DCFport24 <sup>2)</sup>                           | wall                          | 81.511.552 | not available |
|   | ceiling                       | 81.511.553 | 81.511.953    |
| Telegram slave clock, DCFport24,<br>operating voltage 230 VAC   | wall                          | 83.511.552 | not available |
|   | ceiling                       | 83.511.553 | 83.511.953    |
| RC telegram slave clock, AirPort24,<br>operating voltage 230 VAC  | wall                          | 85.511.552 | not available |
|   | ceiling                       | 85.511.553 | 85.511.953    |
| NTP system clock (NTP client), synchronisation by LAN, PoE <sup>3)</sup> ,<br>operating voltage 230 VAC | wall                          | 91.511.552 | not available |
|   | ceiling                       | 91.511.553 | 91.511.953    |
| NTP system clock (NTP client), synchronisation by LAN <sup>4)</sup> ,<br>operating voltage 230 VAC      | wall                          | 93.511.552 | not available |
|   | ceiling                       | 93.511.553 | 93.511.953    |

| Accessories  | Cipher height ► | 57 mm      | 100 mm        |
|--|-----------------|------------|---------------|
|  |                 | Item No.   | Item No.      |
| Mounting bracket for 1 single-sided clock, on wall, bracket length cir. 125 mm                     |                 | 01.511.502 | not available |
| Mounting bracket(s) <sup>5)</sup> for 1 single-sided clock, on ceiling, bracket length cir. 130 mm |                 | 01.511.503 | 01.511.903    |
| Metal cover(s) for wall or ceiling mounting bracket(s)   |                 | 01.510.537 | 01.515.537    |
| Remote control unit "Basic PRO" for stopwatch function, PEWETA digital RS485 version <sup>6)</sup> |                 | 43.548.251 | 43.548.251    |
| Remote control unit "Basic PRO" for stopwatch function, NTP/PoE version <sup>7)</sup>              |                 | 91.548.251 | 91.548.251    |

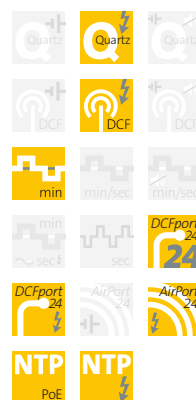
| Options   | Suffix | Surcharge  |
|---|--------|------------|
|   |        | € each     |
| Case custom enamelled   | -10    | on request |
| Operating voltage 12 VDC (instead of 230 VAC)                             | -70    | none       |
| Stopwatch mode »count-up/count-down« (control unit is an accessory)       | -71    | 169.–      |
| Amber LEDs (57 mm cipher height only)                                     | -78    | on request |
| Green LEDs (57 mm cipher height only)                                     | -79    | on request |
| Blue LEDs (57 mm cipher height only)                                      | -80    | on request |
| Alternating date display  | -81    | on request |
| PEWETA digital RS 485 master (output)                                     | -82    | 100.–      |
| PEWETA digital RS 485 slave (input)                                       | -83    | 100.–      |
| Alternating temperature display (external temperature sensor included)    | -88    | 295.–      |
| Seconds display: 38 mm cipher height instead of 57 mm                     | -89    | none       |
| Input for GPS radio control, incl. GPS receiving aerial (IP 65/EN 60 529) | -95    | 695.–      |



Indoor digital single- and double-sided

Type series

**511**



#### DCF77 radio controlled clocks

DCF77 radio controlled clocks of this type series will be supplied including a remotable DCF77 aerial (IP 68). Thus, optimum reception quality can be achieved regardless of the final placement of the clock itself. However, DCF77 radio controlled clocks will only function correctly within a radius of approx. 1,500 km around Mainflingen (50 km east of Frankfurt/M.).

#### 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> A remotable DCF77 receiving aerial (IP 68) is included in delivery shipment.

<sup>2)</sup> Due to power consumption the number of clocks within the system/network is limited. Please ask for details when interested.

<sup>3)</sup> NTP system clocks of "PoE" type require a PoE (Power over Ethernet) power supply. Appropriate hardware has to be supplied by customer.

<sup>4)</sup> NTP system clocks require a LAN connection. Appropriate hardware has to be supplied by customer.

<sup>5)</sup> For LED digital clocks with 100 mm cipher height, 2 mounting brackets per clock will always be supplied.

<sup>6)</sup> Works with LED digital clocks including the PEWETA digital RS485 »master« option only.

<sup>7)</sup> Works with NTP system clock (NTP client) clock types only.