

# LED Digital Clocks

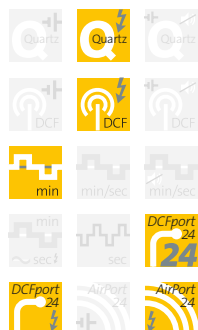
for offices, production areas, and places of high publicity



**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



71.511.553 -89

## 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 60529).

## 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 90.

## 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!

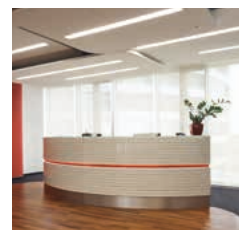
Technical data		Cipher height 57 mm	Cipher height 100 mm
Case	colour	black (RAL 9005)	black (RAL 9005)
	dimensions (length x width x depth)	cir. 440 x 150 x 34 mm	cir. 770 x 250 x 43 mm
Display	cipher height hours, minutes, seconds	cir. 57 mm	cir. 100 mm
	reading distance	cir. 20 m	cir. 40 m
Power consumption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

Single-sided version (on-wall mounting)	Cipher height ▶ Operating voltage ▼	57 mm	100 mm
		Item No.	Item No.
Quartz clock	230 VAC	42.511.551 750.–	42.511.951 1,360.–
DCF77 radio controlled clock <sup>1)</sup>	230 VAC	52.511.551 910.–	52.511.951 1,520.–
Slave clock, minute pulse 24 V	230 VAC	71.511.551 840.–	71.511.951 1,450.–
Telegram slave clock, DCFport24 <sup>2)</sup>	DCFport24	81.511.551 840.–	81.511.951 1,450.–
Telegram slave clock, DCFport24, 12/24 V	230 VAC	83.511.551 840.–	83.511.951 1,450.–
RC telegram slave clock, AirPort24	230 VAC	85.511.551 950.–	85.511.951 1,560.–
NTP system clock (NTP client), synchronisation by LAN, PoE <sup>3)</sup>	PoE	91.511.551 900.–	91.511.951 1,510.–
NTP system clock (NTP client), synchronisation by LAN <sup>4)</sup>	230 VAC	93.511.551 930.–	93.511.951 1,540.–

Double-sided version (incl. wall and ceiling mounting bracket respectively)	Cipher height ▶ Mounting ▼	57 mm	100 mm
		Item No.	Item No.
Quartz clock, operating voltage 230 VAC	wall	42.511.552 1,660.–	not available
	ceiling	42.511.553 1,660.–	42.511.953 2,990.–
DCF77 radio controlled clock, operating voltage 230 VAC <sup>1)</sup>	wall	52.511.552 1,820.–	not available
	ceiling	52.511.553 1,820.–	52.511.953 3,150.–
Slave clock, minute pulse 24 V, operating voltage 230 VAC	wall	71.511.552 1,750.–	not available
	ceiling	71.511.553 1,750.–	71.511.953 3,080.–
Telegram slave clock, DCFport24, operating voltage DCFport24 <sup>2)</sup>	wall	81.511.552 1,750.–	not available
	ceiling	81.511.553 1,750.–	81.511.953 3,080.–
Telegram slave clock, DCFport24, operating voltage 230 VAC	wall	83.511.552 1,750.–	not available
	ceiling	83.511.553 1,750.–	83.511.953 3,080.–
RC telegram slave clock, AirPort24, operating voltage 230 VAC	wall	85.511.552 1,860.–	not available
	ceiling	85.511.553 1,860.–	85.511.953 3,190.–
NTP system clock (NTP client), synchronisation by LAN, PoE <sup>3)</sup> , operating voltage 230 VAC	wall	91.511.552 1,810.–	not available
	ceiling	91.511.553 1,810.–	91.511.953 3,140.–
NTP system clock (NTP client), synchronisation by LAN <sup>4)</sup> , operating voltage 230 VAC	wall	93.511.552 1,840.–	not available
	ceiling	93.511.553 1,840.–	93.511.953 3,170.–

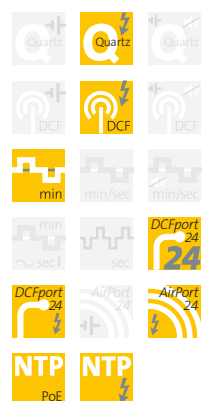
Accessories	Cipher height ▶	57 mm	100 mm
		Item No.	Item No.
Mounting bracket for 1 single-sided clock, on wall, bracket length cir. 125 mm		01.500.102 189.–	not available
Mounting bracket(s) for 1 single-sided clock, on ceiling, bracket length cir. 130 mm <sup>5)</sup>		01.500.103 189.–	01.500.203 378.–
Metal cover(s) for wall or ceiling mounting bracket(s) <sup>5)</sup>		01.500.137 125.–	01.500.237 250.–
Remote control unit "Basic PRO" for stopwatch function, PEWETA digital RS485 version <sup>6)</sup>		43.548.251 1,250.–	43.548.251 1,250.–
Remote control unit "Basic PRO" for stopwatch function, NTP/PoE version <sup>7)</sup>		91.548.251 1,390.–	91.548.251 1,390.–

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 130 on).

**PEWETA AirPort24**  
PEWETA AirPort24 slave clocks require an AirPort24 transmitter or repeater respectively (see page 135).

**NTP**  
NTP system clocks require a PEWETA master clock (see from page 130 on) or an NTP time server (see page 137).

<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.