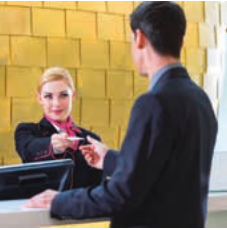


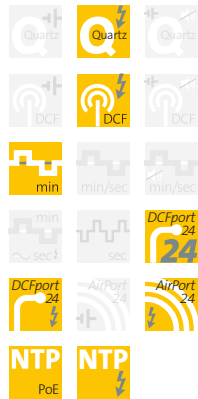
# LED Digital Clocks

for offices, production areas, and places of high publicity



**Indoor**  
digital  
single and  
double-sided

Type series  
**510**



81.510.551 shown

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



81.510.551 -78



71.510.553 -79

## Case

- cir. 320x150x34 mm (cipher height 57 mm)
- cir. 520x250x43 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
- cipher height 100 mm

Single line display showing hours and minutes, 4 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>.

## 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!

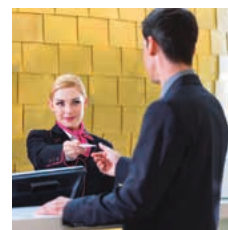
Technical data		Cipher height 57 mm	Cipher height 100 mm
Case	colour	black (RAL 9005)	black (RAL 9005)
	dimensions (length x width x depth)	cir. 320 x 150 x 34 mm	cir. 520 x 250 x 43 mm
Display	cipher height hours, minutes	cir. 57 mm	cir. 100 mm
	reading distance	cir. 20 m	cir. 40 m
Power consumption	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	42.510.551	42.510.951
DCF77 radio controlled clock <sup>1)</sup>	230 VAC	52.510.551	52.510.951
Slave clock, minute pulse 24 V	230 VAC	71.510.551	71.510.951
Telegram slave clock, DCFport24 <sup>2)</sup>	DCFport24	81.510.551	81.510.951
Telegram slave clock, DCFport24, 12/24 V	230 VAC	83.510.551	83.510.951
RC telegram slave clock, AirPort24	230 VAC	85.510.551	85.510.951
NTP system clock (NTP client), synchronisation by LAN, PoE <sup>3)</sup>	PoE	91.510.551	91.510.951
NTP system clock (NTP client), synchronisation by LAN <sup>4)</sup>	230 VAC	93.510.551	93.510.951

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	42.510.552	not available
	ceiling	42.510.553	42.510.953
DCF77 radio controlled clock, operating voltage 230 VAC <sup>1)</sup>	wall	52.510.552	not available
	ceiling	52.510.553	52.510.953
Slave clock, minute pulse 24 V, operating voltage 230 VAC	wall	71.510.552	not available
	ceiling	71.510.553	71.510.953
Telegram slave clock, DCFport24, operating voltage DCFport24 <sup>2)</sup>	wall	81.510.552	not available
	ceiling	81.510.553	81.510.953
Telegram slave clock, DCFport24, operating voltage 230 VAC	wall	83.510.552	not available
	ceiling	83.510.553	83.510.953
RC telegram slave clock, AirPort24, operating voltage 230 VAC	wall	85.510.552	not available
	ceiling	85.510.553	85.510.953
NTP system clock (NTP client), synchronisation by LAN, PoE <sup>3)</sup> , operating voltage 230 VAC	wall	91.510.552	not available
	ceiling	91.510.553	91.510.953
NTP system clock (NTP client), synchronisation by LAN <sup>4)</sup> , operating voltage 230 VAC	wall	93.510.552	not available
	ceiling	93.510.553	93.510.953

Accessories	Item No.	€ each
Mounting bracket for 1 single-sided clock, on wall, bracket length cir. 125 mm (for LED clocks with 57 mm cipher height only)	01.500.102	189.–
Mounting bracket for 1 single-sided clock, on ceiling, bracket length cir. 130 mm	01.500.103	189.–
Metal cover for wall or ceiling mounting bracket	01.500.137	125.–

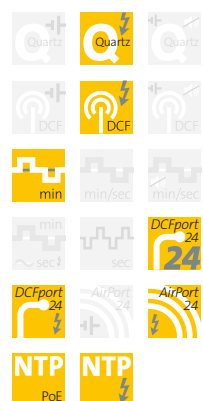
Options	Suffix	Surcharge € each
Case custom enamelled	-10	on request
Operating voltage 12 VDC (instead of 230 VAC)	-70	none
Amber LEDs (57 mm cipher height only)	-78	on request
Green LEDs (57 mm cipher height only)	-79	on request
Blue LEDs (57 mm cipher height only)	-80	on request
Alternating date display	-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.–
Input for GPS radio control, incl. GPS receiving aerial (IP 65/EN 60 529)	-95	695.–



**Indoor**  
digital  
single and  
double-sided

Type series

**510**



**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.