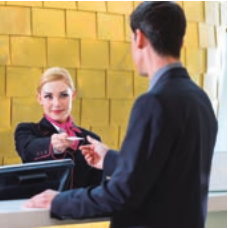


LED Digital Clocks

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 shown



71.510.553 -79 shown

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 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
 - 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 clocks²⁾.

Front glass

Flat acrylic glass.

Double-sided LED digital clocks

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

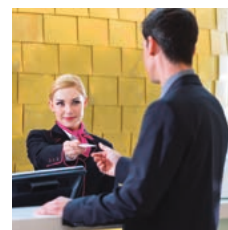
Technical data		Cipher height 57 mm	Cipher height 100 mm
Case	colour	black (RAL 9005)	black (RAL 9005)
	dimensions (length x width x depth)	cir. 320 x 150 x 34 mm	cir. 520 x 250 x 43 mm
Display	cipher height hours, minutes	cir. 57 mm	cir. 100 mm
	LED colour	red	red
	reading distance	cir. 20 m	cir. 40 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.	€ each	Item No.	€ each
Quartz clock	230 VAC	42.510.551	570.–	42.510.951	960.–
DCF77 radio controlled clock ¹⁾	230 VAC	52.510.551	695.–	52.510.951	1,085.–
Slave clock, minute pulse 24 V	230 VAC	71.510.551	649.–	71.510.951	1,039.–
Slave clock, DCFport24 pulse telegram 24 V ²⁾	DCFport24	81.510.551	649.–	81.510.951	1,039.–
Slave clock, DCFport24 pulse telegram 12/24 V	230 VAC	83.510.551	649.–	83.510.951	1,039.–
Slave clock, AirPort24 radio controlled telegram	230 VAC	85.510.551	699.–	85.510.951	1,089.–
Slave clock, NTP synchronisation by LAN (NTP client), PoE ³⁾	PoE	91.510.551	690.–	91.510.951	1,080.–
Slave clock, NTP synchronisation by LAN (NTP client) ⁴⁾	230 VAC	93.510.551	710.–	93.510.951	1,100.–

Double-sided version (incl. wall or ceiling mounting bracket)	Cipher height ► Mounting ▼	57 mm		100 mm	
		Item No.	€ each	Item No.	€ each
Quartz clock, mains operated 230 VAC	wall	42.510.552	1,270.–	42.510.952	2,050.–
	ceiling	42.510.553	1,270.–	42.510.953	2,050.–
DCF77 radio controlled clock, mains operated 230 VAC ¹⁾	wall	52.510.552	1,395.–	52.510.952	2,175.–
	ceiling	52.510.553	1,395.–	52.510.953	2,175.–
Slave clock, minute pulse 24 V, mains operated 230 VAC	wall	71.510.552	1,349.–	71.510.952	2,129.–
	ceiling	71.510.553	1,349.–	71.510.953	2,129.–
Slave clock, DCFport24 pulse telegram 24 V ²⁾ , operating voltage DCFport24	wall	81.510.552	1,349.–	81.510.952	2,129.–
	ceiling	81.510.553	1,349.–	81.510.953	2,129.–
Slave clock, DCFport24 pulse telegram 12/24 V, mains operated 230 VAC	wall	83.510.552	1,349.–	83.510.952	2,129.–
	ceiling	83.510.553	1,349.–	83.510.953	2,129.–
Slave clock, AirPort24 radio controlled telegram, mains operated 230 VAC	wall	85.510.552	1,399.–	85.510.952	2,179.–
	ceiling	85.510.553	1,399.–	85.510.953	2,179.–
Slave clock, NTP synchronisation by LAN (NTP client), PoE ³⁾ operating voltage PoE	wall	91.510.552	1,390.–	91.510.952	2,170.–
	ceiling	91.510.553	1,390.–	91.510.953	2,170.–
Slave clock, NTP synchronisation by LAN (NTP client) ⁴⁾ mains operated 230 VAC	wall	93.510.552	1,410.–	93.510.952	2,190.–
	ceiling	93.510.553	1,410.–	93.510.953	2,190.–

Accessories	Item No.	€ each
Mounting bracket for 1 single-sided clock, on wall, bracket length cir. 125 mm	01.510.502	149.–
Mounting bracket for 1 single-sided clock, on ceiling, bracket length cir. 130 mm	01.510.503	149.–
Metal cover for wall or ceiling mounting bracket	01.510.537	98.–

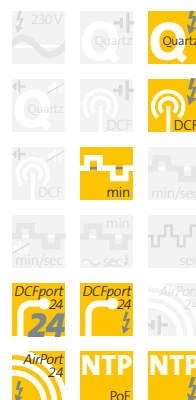
Options	Suffix	Surcharge € each
Case custom enamelled	-10	on request
Operating voltage 12 VDC (instead of 230 VAC)	-70	none
Amber LEDs (57 mm cipher height only, surcharge per display/side)	-78	39.–
Green LEDs (57 mm cipher height only, surcharge per display/side)	-79	79.–
Blue LEDs (57 mm cipher height only, surcharge per display/side)	-80	79.–
Alternating date display	-81	on request
PEWETA digital RS 485 master (output)	-82	98.–
PEWETA digital RS 485 slave (input)	-83	98.–
IRIG.B/AFNOR NF S 87-500 (input)	-87	180.–
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 184 on).

PEWETA AirPort24

PEWETA AirPort24 slave clocks require an AirPort24 transmitter or repeater respectively (see page 189).

NTP

NTP slave clocks require an NTP time server (see page 191).

¹⁾ A remotable DCF77 receiving aerial is included in delivery shipment.

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

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

⁴⁾ NTP slave clocks require a LAN connection. Appropriate hardware has to be supplied by customer.