

# LED Digital Clocks with rim-circle seconds indication ideal for broadcasting facilities and places of high publicity



Indoor  
digital  
single-sided

Type series  
**525**



83.525.551 -77 shown



83.525.551 -77 shown



83.525.551 -75 -77 shown



83.525.551 -77 -88 shown

This 400x400 mm wall clock as standard shows the digital time in hours and minutes and has a circumferential ring of red LED bar marks that show the seconds, counting up. An additional 8-character alphanumeric LED display line makes this clock a veritable "information centre". Depending on the features selected this clock is capable of providing all the information required for the assigned function – exact, professional, attractive, and outright reliable!

**Possible indications:**

- 8-digit date display (26.08.2024)
- day of the week, spelled out (Monday)
- day of the week, abbreviated and date (Mon 26.08.)
- day of month and abbreviated month (26. Aug 24), multilingual
- additional display for seconds (48)
- stopwatch function (hh/mm/ss)
- temperature (20°C)
- city names at customer's choice with corresponding world time and time-zone details (city pre-sets, see pages 128 and 129).

Whether as a single clock, as a calendar clock full of information or integrated as "master" or "slave" in a World Time Display System – this clock speaks all languages and meets all demands!

### Case

■ cir. 400 mm diameter metal, as standard enamelled jet black (RAL 9005). Optionally, at a surcharge, custom enamelled or with stainless steel case (1.4301 X5CrNi 18-10, German trade name V2A), in a matted finish.

Protection grade IP 40 (EN 60529).

### LED digital display(s)

4-digit hour and minute display, bar-type 7-segment LED ciphers, height 57 mm, colour red. Circumferential ring of red LED bars indicating the seconds, counting up. Automatic brightness control. Hour offset or leading zero selectable via menu. Minimum 100 hours data retention in case of power loss. Operating voltage 230 VAC/50...60 Hz (12 VDC/12 VAC optional). Under specific circumstances, the bus voltage may suffice to operate PEWETA DCFport24 version clocks<sup>2)</sup>.

### Alphanumeric display (option)

16-segment alphanumeric LED bar character display, up to 8 characters, character height 30 mm, to display numeric and alphanumeric information, e. g. day of the week, month, date, and seconds. At a surcharge, end times (stopwatch mode, option) or city names (option), can be displayed. Selection via menu. Alternating display possible. Various languages.

### Front glass

Flat, shock-resistant Plexiglas®.

### World Time Display System (option)

PEWETA LED digital clocks can be integrated into a professional and intelligent World Time Display System by the PEWETA *digital RS 485* data bus. Each individual LED digital clock receives the "pre-sets" pertaining to various time zones and city names. Upon selection of a time zone, local time will be displayed, regarding zone offset and local change-over dates for summer and winter time.

### Stopwatch mode (option)

These clocks can be fitted with an additional stopwatch mode (count-up/count-down). The 8-digit alphanumeric display (option) will show hours, minutes and seconds, counting up from start or down from a pre-selected value. This mode is controlled by a wire-bound »Basic PRO« control unit (accessory). For technical data see page 135.

Clock type	Operating voltage	Item No.	€ each
Quartz clock	230 VAC	42.525.551	1,490.–
DCF77 radio controlled clock <sup>1)</sup>	230 VAC	52.525.551	1,650.–
Slave clock, minute pulse 24 V	230 VAC	71.525.551	1,580.–
Telegram slave clock, DCFport24, 24 V <sup>2)</sup>	DCFport24	81.525.551	1,580.–
Telegram slave clock, DCFport24, 12/24 V	230 VAC	83.525.551	1,580.–
RC telegram slave clock, AirPort24	230 VAC	85.525.551	1,690.–
NTP system clock (NTP client), synchronisation by LAN, PoE <sup>3)</sup>	PoE	91.525.551	1,640.–
NTP system clock (NTP client), synchronisation by LAN <sup>4)</sup>	230 VAC	93.525.551	1,670.–

Accessories	Item No.	€ each
Remote control unit "Basic PRO" for stopwatch function, PEWETA <i>digital RS485</i> version <sup>5)</sup>	43.548.251	1,250.–
Remote control unit "Basic PRO" for stopwatch function, NTP/PoE version <sup>6)</sup>	91.548.251	1,390.–

Options	Suffix	Surcharge € each
Case custom enamelled	-10	on request
Case stainless steel V2A, matted finish	-20	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.–
City pre-sets for World Time Clock Systems	-75	139.–
Additional 8-character alphanumeric display	-77	325.–
PEWETA <i>digital RS 485</i> master (output)	-82	100.–
PEWETA <i>digital RS 485</i> 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 60529)	-95	695.–

### 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.



43.548.251

<sup>1)</sup> A remotable DCF77 receiving aerial 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> Works with LED digital clocks including the PEWETA *digital RS485* »master« option only.

<sup>6)</sup> Works with NTP system clock (NTP client) clock types only..



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### 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).