

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 400 mm diameter 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 (24.09.2018)
- day of the week, spelled out (Monday)
- day of the week, abbreviated and date (Mon 24.09.)
- day of month and abbreviated month (24. Sep 18), 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 140 and 141).

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 clocks²⁾.

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, split and 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 a count up/count down/split time stopwatch mode. The 8-digit alphanumeric display (option) will show hours, minutes and seconds, counting up from start or down from a pre-selected value. The stopwatch system is controlled by a remote control unit (as an extra), for technical data see page 145.

Clock type	Operating voltage	Item No.	€ each
Quartz clock	230 VAC	42.525.551	1,250.–
DCF77 radio controlled clock ¹⁾	230 VAC	52.525.551	1,375.–
Slave clock, minute pulse 24 V	230 VAC	71.525.551	1,329.–
Slave clock, DCFport24 pulse telegram 24 V ²⁾	DCFport24	81.525.551	1,329.–
Slave clock, DCFport24 pulse telegram 12/24 V	230 VAC	83.525.551	1,329.–
Slave clock, AirPort24 radio controlled telegram	230 VAC	85.525.551	1,379.–
Slave clock, NTP synchronisation by LAN (NTP client), PoE ³⁾	PoE	91.525.551	1,370.–
Slave clock, NTP synchronisation by LAN (NTP client) ⁴⁾	230 VAC	93.525.551	1,390.–

Accessory	Item No.	€ each
Remote control unit "BASIC plus" for stopwatch function	43.548.151	695.–

Options	Suffix	Surcharge € each
Case custom enamelled	-10	on request
Case stainless steel V2A, matted finish	-20	99.–
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	295.–
PEWETA <i>digital RS 485</i> master (output)	-82	98.–
PEWETA <i>digital RS 485</i> 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 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.



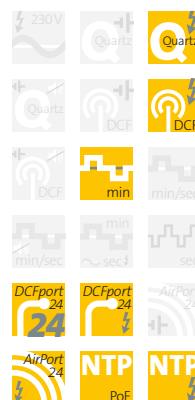
43.548.151



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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 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.