

# LED Digital Displays, outdoor showing the time, date, and temperature (option)



**Digital displays**  
single- and  
double-sided  
outdoor

Type series  
**820**



Large, sturdy digital displays  
with distinct, double-row LEDs,  
optimum readability, even at  
longer distances.



52.820.251 shown



52.820.182



52.820.183



52.820.181, date display

**LED digital displays  
for indoors**

see pages  
143 and 145.

### Case

- cir. 840x260x82 mm (cipher height 180 mm)
- cir. 1250x350x83 mm (cipher height 250 mm)

sturdy case made from powder-coated aluminium profiles, case colour black. Mounting on tilting bracket for easy installation and maintenance.  
Protection grade IP 40 (EN 60 529).

### Mounting

- single face type for on-wall mounting, or with additional, sturdy ceiling-mount fixture (accessory)
- double face type including sturdy wall-mount fixture, standard length cir 90 mm or ceiling-mount fixture, standard length 100 mm. Other lengths available on request.

### Front glass

Flat plastic glass treated for low reflectivity, additional filter layer for optimum readability.

### LED digital display

4-digit display with high-grade double-row LEDs, 7-segment technology, cipher colour red (other LED colours available, see options). Cipher height 180 mm or 250 mm, manual or automatic brightness control. Alternating display of time, date, and temperature possible (intervals adjustable).

Operating voltage 230 VAC/50..60 Hz.

### Infrared remote control unit

All settings and the operation of the stopwatch mode are triggered by a wireless infrared remote control unit, included in delivery shipment.

### Stopwatch mode

This LED digital display can also be used as a stopwatch in count-up, count-down, and training modes.

Various modes and key functions can be set. Operation by the wireless infrared remote control unit included.

### Further models

On request, the LED digital displays of this type series are also available with other cipher heights.

Technical data		Cipher height 180 mm	Cipher height 250 mm
Case	colour	black (RAL 9005)	black (RAL 9005)
	dimensions W x H x D (single face version)	cir. 840x260x82 mm	cir. 1250x350x83 mm
	weight (single face version)	cir. 10 kg	cir. 17 kg
LED display	cipher height hour/minute	cir. 180 mm	cir. 250 mm
	cipher colour	red	red
	reading distance up to	cir. 70 m	cir. 100 m

Single face type (on-wall mounting)	Cipher height ▶ Operating voltage ▼	180 mm Item No.	€ each	250 mm Item No.	€ each
Quartz clock	230 VAC	42.820.181	1,990.–	42.820.251	2,690.–
DCF77 radio controlled clock, including external receiving aerial (IP 54)	230 VAC	52.820.181	2,150.–	52.820.251	2,850.–
Slave clock, minute pulse 24 V	230 VAC	71.820.181	2,050.–	71.820.251	2,750.–
Telegram slave clock, DCFport24, 24 V	230 VAC	83.820.181	2,050.–	83.820.251	2,750.–
NTP system clock (NTP client), synchronisation by LAN <sup>1)</sup>	230 VAC	93.820.181	2,190.–	93.820.251	2,890.–

Double face type (incl. wall or ceiling mounting brackets)	Cipher height ▶ Mounting ▼	180 mm Item No.	€ each	250 mm Item No.	€ each
Quartz clock, mains operated 230 VAC	wall	42.820.182	4,290.–	42.820.252	6,890.–
	ceiling	42.820.183	4,290.–	42.820.253	6,890.–
DCF77 radio controlled clock, including external receiving aerial (IP 54), mains operated 230 VAC	wall	52.820.182	4,450.–	52.820.252	7,050.–
	ceiling	52.820.183	4,450.–	52.820.253	7,050.–
Slave clock, minute pulse 24 V, mains operated 230 VAC	wall	71.820.182	4,350.–	71.820.252	6,950.–
	ceiling	71.820.183	4,350.–	71.820.253	6,950.–
Telegram slave clock, DCFport24, 24 V, mains operated 230 VAC	wall	83.820.182	4,350.–	83.820.252	6,950.–
	ceiling	83.820.183	4,350.–	83.820.253	6,950.–
NTP system clock (NTP client), synchronisation by LAN <sup>1)</sup> , mains operated 230 VAC	wall	93.820.182	4,490.–	93.820.252	7,090.–
	ceiling	93.820.183	4,490.–	93.820.253	7,090.–

Accessories	Item No.	€ each
Lateral wall mounting fixture for one single clock, bracket length cir. 90 mm	01.820.102	on request
Ceiling mounting for one single clock, pendulum length cir. 100 mm	01.820.103	on request

Options	Suffix	Surcharge € each
Case custom enamelled	-10	on request
Custom length ceiling mounting fixture	-31	on request
Alternating temperature display, including external temperature sensor (IP 54)	-66	95.–
White LEDs	-76	on request
Amber LEDs	-78	on request
Green LEDs	-79	on request
Blue LEDs	-80	on request

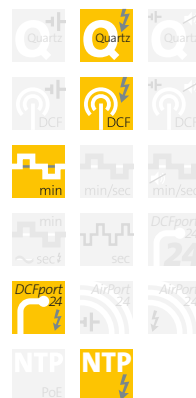
<sup>1)</sup>NTP system clock require a LAN access point. Appropriate hardware has to be supplied by customer.



## Digital displays single- and double-sided outdoor

Type series

# 820



### DCF77 radio controlled clocks

DCF77 radio controlled clocks of this type series will be supplied including a rotatable 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).

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see pages  
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