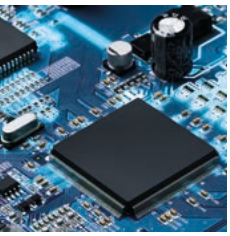
19" Master Clock/Signalling Master Clock

DCF77, GPS or NTP/LAN controlled (customer's choice)



11.**920**.122 shown

Typical performance data

Control of slave clocks

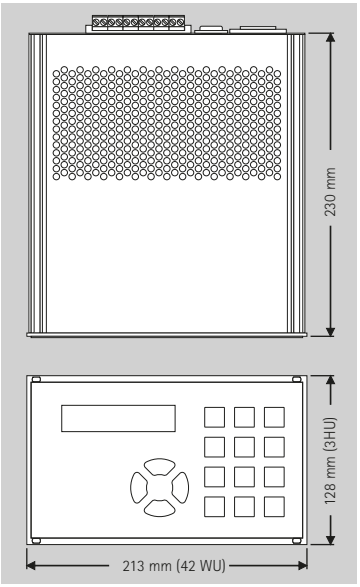
- **2 or 4 slave clock lines**
- **Pulse Mode** 12 or 24 V, may be selected for each line as
  - alternating polarity minute pulse
  - alternating polarity half-minute pulse
  - alternating polarity second pulse
  - *DCFport24* pulse telegram
  - *AirPort24* radio telegram (in combination with an *AirPort24* transmitter)
- **Pulse duration** is adjustable from .2 sec to 9.9 sec.
- **Total output power** is 1 A at 24 V (2 A at 12 V) line voltage to control up to
  - 160 conventional slave clocks (at 6 mA/24 V each) or up to
  - 40 PEWETA *DCFport24* pulse telegram slave clocks (12 V). With a pulse amplifier (Item Number 10.**930**.124), the system may be expanded by up to 125 PEWETA *DCFport24* pulse telegram slave clocks
  - an unlimited number of *AirPort24* radio telegram slave clocks (in combination with a PEWETA *AirPort24* transmitter (Item Number 10.**940**.100) and a PEWETA *AirPort24* repeater (Item Number 10.**941**.100) respectively
- **Simultaneous operation** of conventional slave clocks and *DCFport24* pulse telegram slave clocks is possible (2 slave clock lines minimum)
- Optional **power outage reserve**, selectable for individual slave clock lines. A rechargeable NiCd battery, 24 V/.6 Ah for 24 V lines or 12 V/1.2 Ah for 12 V lines, provides for continued operation of all connected clocks in case of a mains power outage
- Electronic **memory** and automatic update function will, upon return of mains power (e. g. after a mains outage) immediately readjust all connected clocks to current time
- **Slave clock lines with voltage and current surveillance**. Mains power outage, overload (or low voltage when operating in memory mode) in the clock control line will cause an alarm by red LED and alarm flag in the display. A free-floating switch contact is available to trigger an external alarm device
- **Slave clocks will automatically be stopped when low voltage is detected**
- **Secondary Master Clocks** for expanding the clock system may be synchronised by the *DCFport24* output
- For the **control of world time displays** 26 pre-programmed zone times and one freely configurable zone time may be, at customer's choice, assigned as system (local) time or to any slave clock line
- **1 RS232 serial interface** (output) is available for continuous transmission of time-and-date information in ASCII format.

Signalling device

- 0, 2 or 4 programmable signal contacts (switch points/free-floating contacts) capable of 250 VAC/2 A
- Choice of program run for a day, a week or a year
- Up to 600 switch actions programmable
- ON/OFF switching or pulse action
- Fastest possible switching sequence: 1 second
- Reprogrammable every day, week or year, block-building is possible
- Fixed-program calendar through 2099
- Data retention on power outage > 5 years.

Additional performance data

- Input terminal for radio control by DCF77, GPS, MSF or similar is available as an option
- NTP input terminal (RJ45) for synchronisation by LAN (option)
- Alphanumeric LCD display for user-friendly dialog-type navigation, time-and-date readout and alarm indications
- Multilingual navigation, 7 languages selectable: English, French, Spanish, Portuguese, German, Italian and Dutch
- Keyboard locked, accessible by PIN-code only.

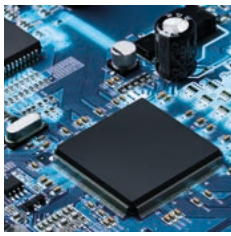


Technical data		
Case	width	42 TU (213.0 mm)
	height	3 HU (128.0 mm)
	depth	cir. 230.0 mm
	material	metal
	weight	cir. 2.5 kg (incl. power outage batteries)
Milieu	VDE classification	I
	protection grade (EN 60 529)	IP 10
	surrounding temperature	0 °C up to 40 °C
Electrical values	mains voltage	220..230 V AC/50 ... 60 Hz
	power consumption	10 ... 53 VA
	line voltage/pulse mode	12 V or 24 V
Total power output	12 V minute pulse	2000 mA max. (for up to 160 slave clocks at 12 mA)
	24 V minute pulse	1000 mA max. (for up to 160 slave clocks at 6 mA)
	12 V half-minute pulse	2000 mA max. (for up to 160 slave clocks at 12 mA)
	24 V half-minute pulse	1000 mA max. (for up to 160 slave clocks at 6 mA)
	12 V second pulse	400 mA max. (for up to 30 slave clocks at 12 mA)
	24 V second pulse	200 mA max. (for up to 30 slave clocks at 6 mA)
	DCFport24 pulse telegr. 12 V	500 mA max. (for up to 40 slave clocks at 10 mA)
	DCFport24 pulse telegr. 24 V	250 mA max. (for up to 20 slave clocks at 10 mA)

Type	Number of slave clock lines	Number of signalling contacts	Power outage reserve 0,6 Ah/24V	Item No.	€ each
Master Clock	2	none	yes	11.**920**.120	**1,080.–**
Signalling Master Clock	2	2	yes	11.**920**.122	**1,245.–**
Signalling Master Clock	4	4	yes	11.**920**.144	**1,615.–**

Extras	Item No.	€ each
19" rack element, 84 WU, 3 HU	01.**920**.084	**150.–**
Blanking plate, 42 TU, 3 HU	01.**920**.142	**20.–**

Options	Suffix	Surcharge € each
Input for GPS radio control, incl. GPS aerial (IP 65/EN 60 529)	**-95**	**695.–**
NTP input for system time synchronisation via LAN	**-98**	**298.–**



DCF77 Receiving Aerial for all type series 920 Master Clocks


03.**925**.111 shown

The DCF77 time signal telegram, as transmitted by the German time signal transmitter at Mainflingen near Frankfurt/Main, is a superior time standard for synchronization and automatic change from summer to winter time of radio controlled stand-alone clocks and master/slave clock systems. This PEWETA DCF77 aerial provides time-and-date information to all PEWETA Master Clocks and Signalling Master Clocks.

- Weatherproof plastic case (IP 68), for indoor/outdoor mounting, dimensions (W x H x D) cir. 100 x 65 x 37 mm
- Stainless steel mounting bracket
- 5 m connecting wire (LIYCY 4 x 0,25 mm²) included in delivery shipment, may be extended to a maximum length of 100 m.

Type	Item No.	€ each
External DCF77 receiving aerial (IP 68), for PEWETA Master Clocks	03.**925**.111	**149.–**

All prices are subject to change without notice, packing and shipping cost (see page 203) as well as VAT for deliveries within Germany added. Prices shown as of January 1st, 2017. If you desire additional information, please ask for the detailed type information sheet, quoting the Item Number. Alternatively, access our product data file on the Internet at www.peweta.com.