

**WDP-Q-mini**  
**WDP-Y-mini**


The photo shows both models with the front cover removed.

**General**

The Master Clock is intended for operation of separate analogue or digital Slave Clocks and Time Recorders. A built in temperature compensated quartz crystal oscillator ensures high accuracy even at fluctuating ambient temperature. To achieve absolute accuracy, radio synchronization with the transmitters of time code signals type DCF-77 (Germany), MSF RUGBY (Great Britain) or GPS (Global Positioning System) is available optionally.

The Master Clock has fully automatic correction of summer/winter time.

Correction is made by rapid impulsing or by blocking the outgoing pulses.

The unit is equipped with complete front cover.

The Master Clock Programmer WDP-Y-mini is a combination of Master Clock, with the above characteristics, and weekly based Programmer for control and regulation of energy and consumers, such as e.g. break bells, door locks, lighting etc.

ON/OFF and signal/pulse (1-59 seconds) of the relay output can be programmed.

**Technical data**

Time base:	Temperature compensated quartz crystal
Accuracy:	± 1 min/year at 0°C up to +40°C ± 4 min/year at -20°C up to +50°C
Connection voltage:	230V 50Hz AC -5% +10%
Connection effect:	6 VA
Ambient temperature:	-20°C up to +50°C
Relative humidity:	Max. 85% non-condensing
Size:	165 x 120 x 75 mm.
Protection class:	IP55
CE-Approval, EMC:	Emission acc. to EN50081-1, Immunity acc. to EN50082-2.

Further datas on overleaf.

To achieve absolute accuracy, radio synchronization with the transmitters of time code signals type DCF-77 (Germany), MSF RUGBY (Great Britain) or GPS (Global Positioning System) is available optionally.

### Impulse output

Type of impulse: 24 V DC polar reversing 1/1-min.impulses.  
Max. load impulse output: 100 mA  
(The output with electronic short circuiting protection, which resets automatically).  
Impulse duration: Default 2 seconds, selectable 0,5 – 4 seconds.  
Impulse memory: 24 hours (impulse memory with rapid impulsing after a power failure).

### Relay output (only WDP-Y-mini).

Program: Daily/weekly based ON/OFF or signal/pulse 1-59 seconds.  
Signal points: 40.  
Program memory: 200 years.  
Type of relay: 1 changing potential-free contact.  
Max. load: 230V 6A cos 0,7.  
Total load relay output: 6A.

Type	Article Number	Impulse	Relay	Connection	Weight kgs.
WDP-Q-mini	121340-00	Minute	-	230 V AC	1,0
WDP-Y-mini	121346-00	Minute	1	230 V AC	1,0