



BT-H100-WL Master Clock for wireless system

- + Microprocessor master clock, fitted with external radio transmitter for wireless communication with unlimited analogue and digital radio slave clocks of series BTWL
- + Wiring with control cables not necessary!
- + Automatic adjustment of master clock time at installation
- + Automatic adjustment of the wireless clock system after mains failure
- + Automatic summer/winter time changes
- + Code-protected keypad
- + Checking-LED's for power supply (green) and alarm (red)
- + Radio transmitter for unlimited quantity of radio slave clocks inside reception area
- + Power supply of radio transmitter via master clock
- + Safety in operation through coded time telegram; thus no interferences with other systems
- + 4 different, coded channels for avoiding interferences of several wireless clock systems
- + In case of no radio signal the slave clocks are running with their quartz time base without interruption (max. 24 hours)
- + 2-lined LCD display for indication of hours, minutes, seconds and date respectively menu guide in program mode (2x 24 characters)
- + Traditional impulse output 0.5 A for control of hard-wired slave clocks via 24 V DC minutes-, ½minutes- or seconds impulses (connection of up to 45 impulse slave clocks)
- + Slave clock output short-circuit-proof and overload protected
- + Alarm relay

Technical specifications:

Master Clock:

Case:	ABS plastic (shock-proof) for wall mounting, IP41	 MATTIG
Accuracy quartz:	TCXO, ±0,1 s/ 24 h at 20...25 °C (without DCF/GPS)	
Power supply:	230 V AC ±10%, 50/60 Hz, 25 W	
Ambient temperature:	0...50 °C	
Dimensions (WxHxD):	220 x 322 x 83 mm	
Weight:	1.1 kg	 WENZEL

Radio transmitter:

Case:	ABS plastic for wall mounting with 2 screws	 NEUMANN
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Transmitter frequency:	869.525 MHz
Transmitter power:	25, 125 and 500 mW adjustable (via master clock)
Transmission range:	Indoors 100...200 m depending on ambient conditions (for major ranges up to 3 signal amplifiers BTWL-HUV per direction can be used)
Power supply:	12...24 V AC/DC via master clock
Power consumption:	5 W
Protection class:	IP 54
Dimensions (WxHxD):	approx. 80 x 80 x 45 mm
Weight:	approx. 150 g

Options:

BT-DCF-ANT:	DCF-77 radio synchronisation antenna
GPS-ANT-BT:	GPS synchronisation antenna
BTWL-HUV:	External signal amplifier



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