



# Master Clock WDP-WL



Westerstrand Master Clock WDP-WL is a fully electronic Master Clock with built in radio transmitter.

WDP-WL is a part of Westerstrand Wireless Clock System, a fully automatic system for wireless control of analogue and digital clocks.

The transmitter is a UHF crystal-based FSK transmitter using the licence free ISM band.

A time message is transmitted each 10th second.

The transmitter power can be adjusted in three steps.

Fully automatic correction of summer/winter time

## Technical data

Crystal frequency	4,915200 MHz
Accuracy	0,1 sec./24 hours (at +20 C°)
Microprocessor	HD6412394
Radio transmitter	
Operating frequency	869.525 MHz
Conducted RF power	Selectable, 25 mW (+14dBm), 100 mW (+20dBm), 500 mW (+27dBm)
Modulation	FSK (Frequency Shift Keying)
Transmission range	The range is affected by the buildings construction, number of floors, walls, etc. As guideline please use: Indoor: 100 – 200 m (without repeater) Outdoor: 1000 m
Standards	Radio: EN 300 220 EMC: EN 301 489
Power supply	230V 50Hz -5% +10%
Connection effect:	10VA
Temperature range	0° C to +40° C
Relative humidity	Max. 85%, non-condensing
Case	IP 65, light grey ABS-plastic with transparent protection cover
CE-Approval, EMC	Emission acc to EN61000-6-3, immunity acc to EN61000-6-2
Size	110 x 110 x 65 mm
Art No	WDP-WL 123386-00

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