



Analogue indoor Slave Clock – With minute impulse and sweeping seconds hand



Westerstrand analogue slave clocks are controlled and run by **24VDC polarised impulses** which are transmitted from a Westerstrand master clock/master clock programmer or time central.

The impulses are 1/1-minute. The 1/1 minute impulse means that the master clock or time central synchronizes the connected slave clock once **per minute**. Clocks with and without seconds hand can be mixed in the same installation. The minute impulse from the Master Clocks charges a capacitor which stores energy in order to power the seconds hand motor. An opto sensor reads the position of the seconds hand when it is in 12-position in order to synchronize with the minutes hand. The seconds hand is sweeping and almost soundless.

The clocks are connected in parallel to the master clock or time central with 2-wired cable.

On installation, actual time displayed on the connected clocks is set by programming the master clock or time central. The master clock or Time Central will then automatically send rapid impulses to set correct time on the installed clocks. In case of a power failure, connected clocks stop, but when the power return, they restart and are automatically corrected via rapid impulses.

General

- Sizes Ø230, 300 and 400mm
- Housing in in ABS-plastic, white (NCS 0502-B) or grey (RAL 7016)
- White dial with black numerals 1-12 (A-dial), black hour marks (H-dial).
- Black hour- and minute hand and red sweeping seconds hand
- Flat front cover of glass
- Single sided for surface wall mounting or double sided with mounting bracket for either wall mounting
- or ceiling/standing installation (stated when ordering)
- Incl mounting ring

Options

- Front cover in acrylic or polycarbonate
- Protection cover in acrylic or polycarbonate
- Eloxed aluminum ring/housing

Technical Specifications

Clocks HH:MM:SS - Single sided

Article No	Size	Dial	Weight
SW111150-00	Ø230	A	0,9 Kgs
SW111150-90	Ø230	A	0,9 Kgs
SW111151-00	Ø230	H	0,9 Kgs
SW111151-90	Ø230	H	0,9 Kgs
SW111152-00	Ø300	A	1,2 Kgs
SW111152-90	Ø300	A	1,2 Kgs
SW111153-00	Ø300	H	1,2 Kgs
SW111153-90	Ø300	H	1,2 Kgs
SW111154-00	Ø400	A	2,0 Kgs
SW111154-90	Ø400	A	2,0 Kgs
SW111155-00	Ø400	H	2,0 Kgs
SW111155-90	Ø400	H	2,0 Kgs

Clocks HH:MM:SS - Double sided

Article No	Size	Dial	Weight
SW111160-00	Ø230	A	2.0 Kgs
SW111160-90	Ø230	A	2.0 Kgs
SW111161-00	Ø230	H	2.0 Kgs
SW111161-90	Ø230	H	2.0 Kgs
SW111162-00	Ø300	A	2.6 Kgs
SW111162-90	Ø300	A	2.6 Kgs
SW111163-00	Ø300	H	2.6 Kgs
SW111163-90	Ø300	H	2.6 Kgs
SW111164-00	Ø400	A	4.2 Kgs
SW111164-90	Ø400	A	4.2 Kgs
SW111165-00	Ø400	H	4.2 Kgs
SW111165-90	Ø400	H	4.2 Kgs

Technical Data

Power Consumption: 25mA/side (24VDC min imp)

Operating Temp: 0 to +40°C

Relative Humidity: max 95%

IP rating: IP20

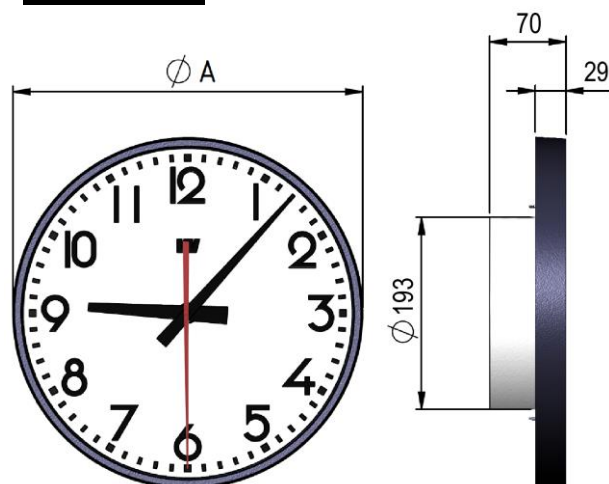
Reading distance:

Ø230: 10m

Ø300: 20m

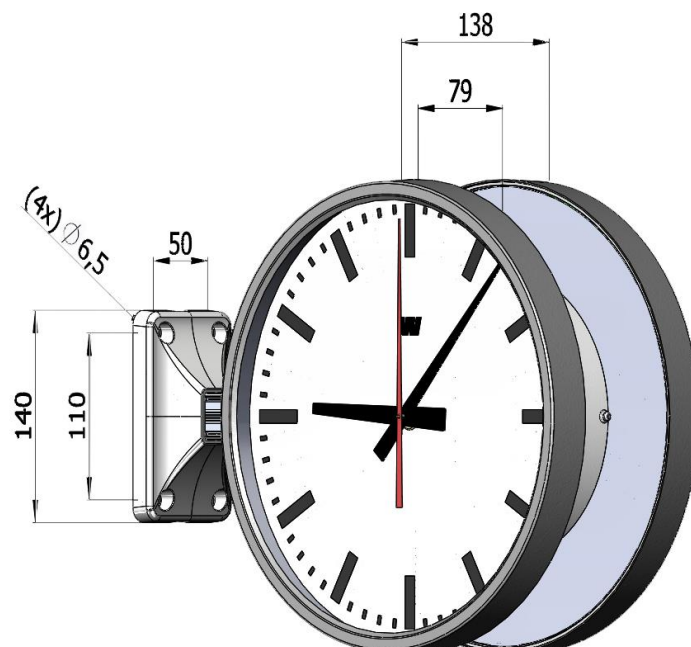
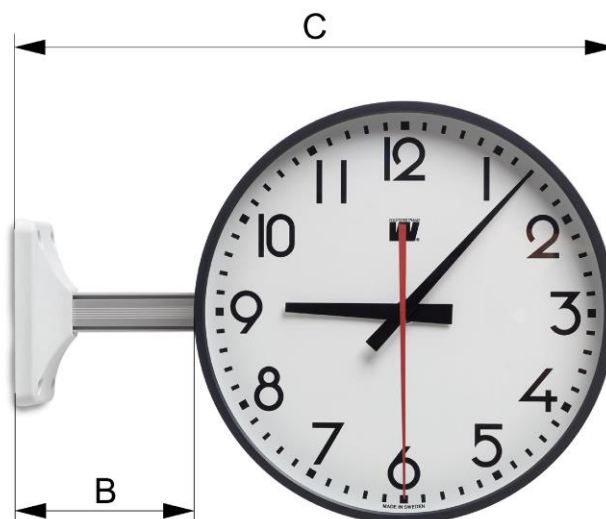
Ø400: 25m

Dimensions



Slave Clocks	A	B	C
Ø230	236	120	356
Ø300	309	135	444
Ø400	410	145	555

All measurements in mm.



We reserve the right to make changes at any time.