



Stand-alone Clocks – type DCF



Westerstrand analogue clocks type **DCF** are operated and controlled by radio signal time code (containing information about year, month, day, hour and minute) received from the transmitter located in Frankfurt (Mainflingen), Germany.

Each clock movement is fully automatic with built in microcontroller and a long wave radio receiver (DCF-77). The radio receiver including an ferrite antenna, but is also equipped with an input for external antenna.

Technical information

A red LED on the movement flashing in seconds rhythm indicates received DCF-signal (only mains 230VAC operated). When the movement has received and accepted an DCF-signal, it will step forward to correct time by rapid impulses. Automatic feedback control of the hands at 12.00 and 00.00.

In case the DCF-signal would disappear, the clock continues by means of the built-in quartz crystal.

Battery operated

The movement can work with two types of batteries. Alkaline batteries (Art.No. 113190-00) available as option, or lithium batteries purchased locally (can not be ordered from Westerstrand).

Lifetime for the batteries, see separate description.

Mains 230VAC operated

During a power failure the clock is temporarily stopped. After the restoration of power, the clock steps forward to the 12.00-position and waits for a DCF-signal to be received. Then rapid impulses to correct time. With the option running reserve (113195-00), the clock will continue to work during the power failure for 12 hours. **Alkaline battery to be ordered separately (art.No 113190-00)**

Power supply:	230VAC or Battery.
Sizes:	Dia. 400, 600, 800 and 900mm.
Housing:	Aluminum, powder coated in RAL 850-M.
Dial face:	White dial with either black numerals 1-12 (A-dial) or with black hour marks (H-dial).
Illumination:	Optional with or without LED illumination of the dial (230VAC).
Hands:	Black hours- and minute hand.
Protection:	Flat protection glass of polycarbonate, 4mm.
Mounting:	Single sided or double sided including bracket for either wall mounting or standing ceiling installation. NOTE! Different ways to mount single sided 400mm clock than 600mm-900mm clocks. Different bracket for double sided 400mm clock than the bracket for 600mm-900mm clocks.
IP rating:	IP65.

Technical Specifications

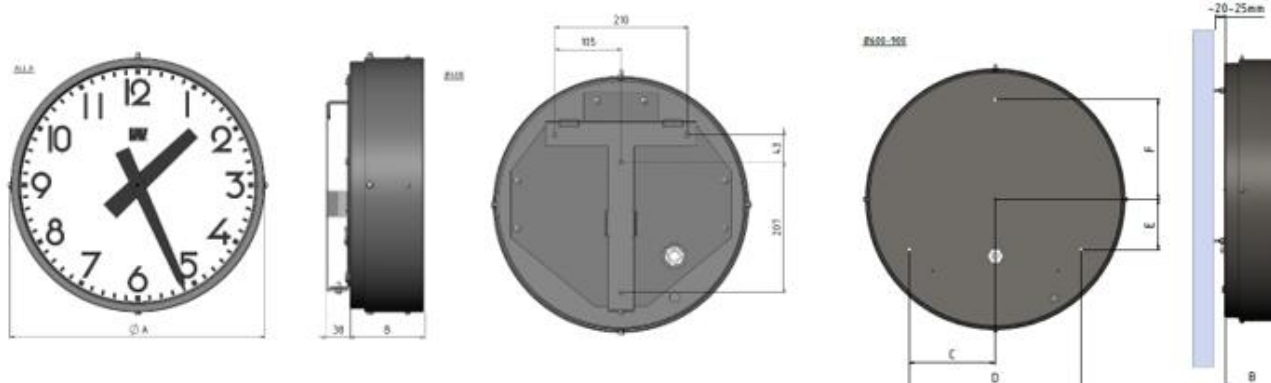
Size	Reading Distance	Seconds	Illum.	Weight	Dim Single sided (mm)							Double sided	
					A	B	C	D	E	F	G	H	I
Ø400	35m	No	No	X Kgs	407	38	97	210	105	43	207	195	407
Ø400	35m	No	Yes	X Kgs	407	38	118	210	105	43	207	195	407
Ø400	35m	Yes	No	X Kgs	407	38	97	210	105	43	207	195	407
Ø400	35m	Yes	Yes	X Kgs	407	38	118	210	105	43	207	195	407
Ø600	65m	No	No	X Kgs	621	47	105	312	156	183	156	221	635
Ø600	65m	No	Yes	X Kgs	621	47	130	312	156	183	156	221	635
Ø600	65m	Yes	No	X Kgs	621	47	105	312	156	183	156	221	635
Ø600	65m	Yes	Yes	X Kgs	621	47	130	312	156	183	156	221	635
Ø800	80m	No	No	X Kgs	X	47	130	X	X	X	X	X	X
Ø800	80m	No	Yes	X Kgs	X	47	130	X	X	X	X	X	X
Ø800	80m	Yes	No	X Kgs	X	47	130	X	X	X	X	X	X
Ø800	80m	Yes	Yes	X Kgs	X	47	130	X	X	X	X	X	X
Ø900	100m	No	No	X Kgs	921	47	130	450	225	272	232	221	935
Ø900	100m	No	Yes	X Kgs	921	47	130	450	225	272	232	221	935
Ø900	100m	Yes	No	X Kgs	921	47	130	450	225	272	232	221	935
Ø900	100m	Yes	Yes	X Kgs	921	47	130	450	225	272	232	221	935

Dimensions

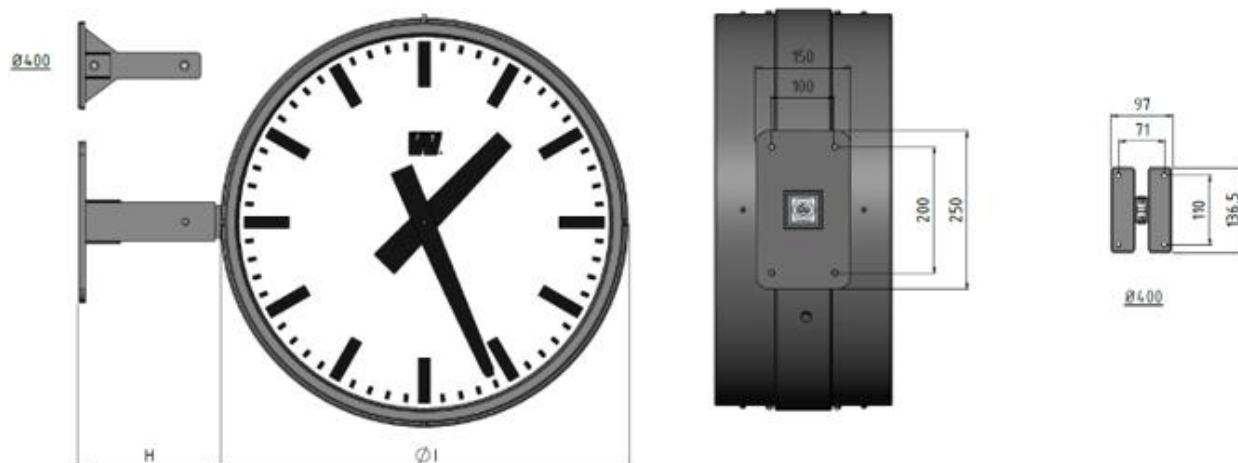
Single sided Ø 400-900

Ø 400

Ø 600-900



Double sided Ø 400-900



We reserve the right to make changes at any time

E450F

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