



Analogue indoor NTP PoE Clock - Exclusive design



The Westerstrand analog NTP-PoE clocks receive the time from the NTP-server in the local network. Automatic time correction every second hour during normal operation. Supervision and alarm management are available by standard protocols. When a power brake occurs, the clocks will temporarily stop, and will automatically be reset when the power return. Power supply by PoE, Power over Ethernet by a RJ45 network connector. The Ethernet cable is combining power supply and data. PoE network switch is available.

Technical information

Configuration by web browser or Telnet.

DHCP option 42 for automatic configuration of NTP-server address is supported.

Unicast, Multicast and Broadcast time synchronization are available.

If the connection to the time server is lost, the clock will continue to operate by it's built in time base.

When the connection to the time server is restored, the clock will automatically be synchronized again.

The positions of the hands are registered by the clock.

General

- Sizes Ø230, 300 och 400mm
- Housing i ABS-plastic, white (NCS 0502-B) or graphite grey (RAL 7016)
- White dial with black numerals 1-12 (A-dial), black hour marks (H-dial)
- Black hour, sweeping. Black minute, stepping (4 steps /min). Red seconds, stepping.
- 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
- Back cover in white painted aluminium for single sided mounting with bracket

Options

- Front cover in polycarbonate
- Protection cupola in acrylic or protection cover in polycarbonate
- Running reserve 12VDC

Technical Specifications NTP PoE Clock

Clocks HH:MM – Single sided				
Article No	Size	Colour	Dial	Weight
N 4021499-00	Ø230	Grey	A	0,8 Kgs
N 4021499-90	Ø230	White	A	0,8 Kgs
N 4023499-00	Ø230	Grey	H	0,8 Kgs
N 4023499-90	Ø230	White	H	0,8 Kgs

N 4031499-00	Ø300	Grey	A	1,1 Kgs
N 4031499-90	Ø300	White	A	1,1 Kgs
N 4033499-00	Ø300	Grey	H	1,1 Kgs
N 4033499-90	Ø300	White	H	1,1 Kgs

N 4041499-00	Ø400	Grey	A	1,8 Kgs
N 4041499-90	Ø400	White	A	1,8 Kgs
N 4043499-00	Ø400	Grey	H	1,8 Kgs
N 4043499-90	Ø400	White	H	1,8 Kgs

Clocks HH:MM:SS Stepping seconds – single sided				
Article No	Size	Colour	Dial	Weight
N 4021496-00	Ø230	Grey	A	0,8 Kgs
N 4021496-90	Ø230	White	A	0,8 Kgs
N 4023496-00	Ø230	Grey	H	0,8 Kgs
N 4023496-90	Ø230	White	H	0,8 Kgs

N 4031496-00	Ø300	Grey	A	1,1 Kgs
N 4031496-90	Ø300	White	A	1,1 Kgs
N 4033496-00	Ø300	Grey	H	1,1 Kgs
N 4033496-90	Ø300	White	H	1,1 Kgs

N 4041496-00	Ø400	Grey	A	1,8 Kgs
N 4041496-90	Ø400	White	A	1,8 Kgs
N 4043496-00	Ø400	Grey	H	1,8 Kgs
N 4043496-90	Ø400	White	H	1,8 Kgs

Clocks HH:MM – Double sided				
Article No	Size	Colour	Dial	Weight
N 4421499-00	Ø230	Grey	A	1,9 Kgs
N 4421499-90	Ø230	White	A	1,9 Kgs
N 4423499-00	Ø230	Grey	H	1,9 Kgs
N 4423499-90	Ø230	White	H	1,9 Kgs

N 4431499-00	Ø300	Grey	A	2,6 Kgs
N 4431499-90	Ø300	White	A	2,6 Kgs
N 4433499-00	Ø300	Grey	H	2,6 Kgs
N 4433499-90	Ø300	White	H	2,6 Kgs

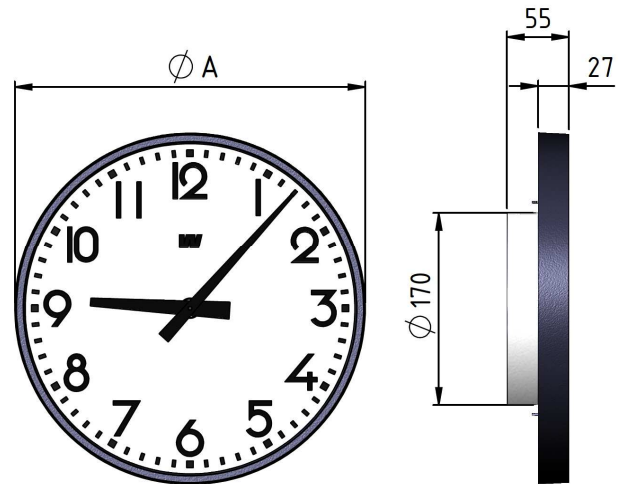
N 4441499-00	Ø400	Grey	A	4,1 Kgs
N 4441499-90	Ø400	White	A	4,1 Kgs
N 4443499-00	Ø400	Grey	H	4,1 Kgs
N 4443499-90	Ø400	White	H	4,1 Kgs

Clocks HH:MM:SS Stepping seconds – Double sided				
Article No	Size	Colour	Dial	Weight
N 4421496-00	Ø230	Grey	A	1,9 Kgs
N 4421496-90	Ø230	White	A	1,9 Kgs
N 4423496-00	Ø230	Grey	H	1,9 Kgs
N 4423496-90	Ø230	White	H	1,9 Kgs

N 4431496-00	Ø300	Grey	A	2,6 Kgs
N 4431496-90	Ø300	White	A	2,6 Kgs
N 4433496-00	Ø300	Grey	H	2,6 Kgs
N 4433496-90	Ø300	White	H	2,6 Kgs

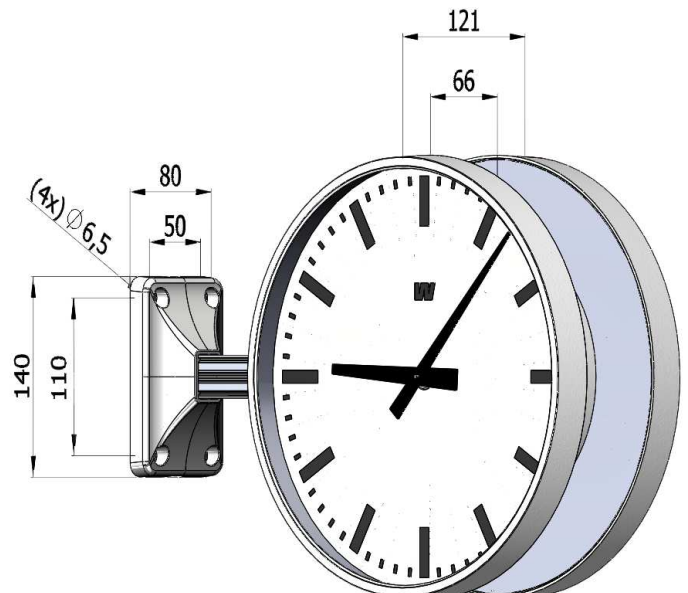
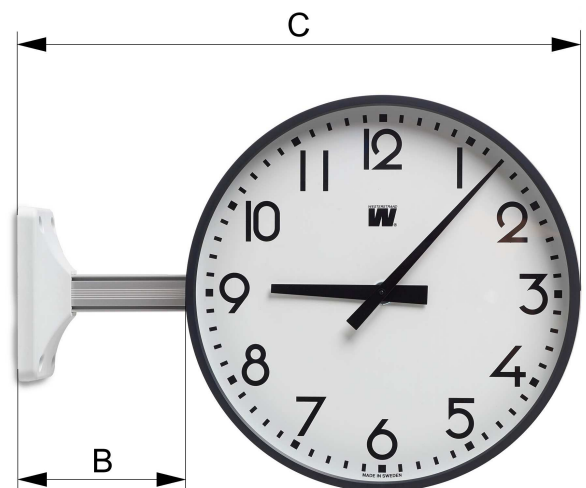
N 4441496-00	Ø400	Grey	A	4,1 Kgs
N 4441496-90	Ø400	White	A	4,1 Kgs
N 4443496-00	Ø400	Grey	H	4,1 Kgs
N 4443496-90	Ø400	White	H	4,1 Kgs

Dimensions



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

All measurements in mm.



Technical Specifications NTP PoE Clock

Technical Data

Protocols supported:	Network Time Protocol (NTP) version 1, 2, 3 and 4, SNTP version 3 and 4 MD5 authentication and autokey Key Management
NTP protocol modes:	Unicast client mode (point to point), support for DHCP option 42, Broadcast & Multicast mode (point to multipoint). Multicast group address 224.0.1.1
Other supported protocols:	HTTP, Telnet, SNMP, SYSLOG
Transport protocol:	TCP-, UDP
IP address assignment:	IPv4, IPv6
Compatibility:	Ethernet version 2/IEEE 802.3af
Ethernet:	Supports 10/100 BASE-T (RJ45) connections
Additional info.:	Support for DNS Bracket arm in aluminium profile
Power over Ethernet:	IEEE 802.3af
Power consumption:	2 watts
Operating Temp:	0 to +40°C
Relative Humidity:	max 95%
IP rating:	IP20
Noise (normal run):	< 35 db (A)
Standards compliance	EN 61000-6-3:2001 Emission EN 61000-6-2:2005 Immunity
Reading distance:	Ø230: 10m Ø300: 20m Ø400: 25m

We reserve the right to make changes at any time.