1015680

N9141490-10

Slave Clock, PoE, IP65, Ø400

Description

- Slave clock for outdoor purposes.
- Casing; painted Aluminium, grey RAL 850-M and 4mm polycarbonate protective cover
- NTP format
- PoE (Ethernet)

To distribute correct time to different users in a Local Area Network (LAN) the Network Time Protocol (NTP) is used. NTP is a part of the protocol family TCP/IP. The clock is operated and controlled by Time distributed in the Network. (From the Master Clock)
Each clock movement has its own microprocessor to receive the time code, detecting the position of the hands and thereafter automatically set the hands to correct time.
Each clock has a unique IP address. The IP address, gateway, subnetmask and server IP address is set up via WEB-browser.

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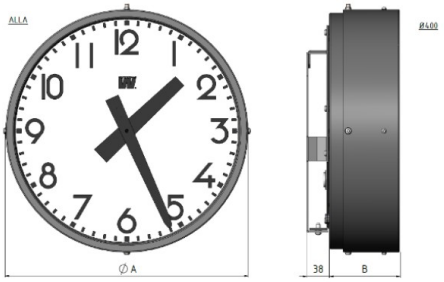
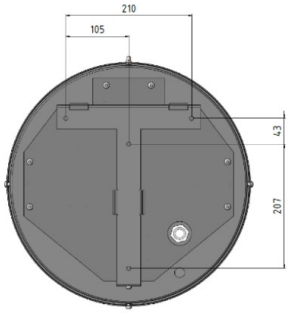
Technical Dimensions

Dimensions

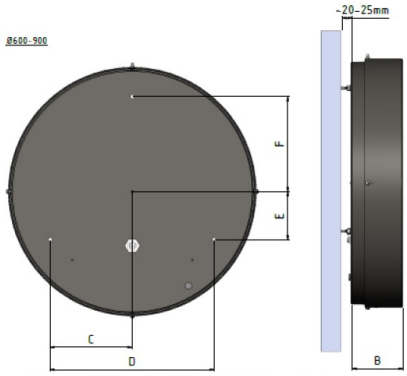
Single Sided Ø 400-900



Ø 400



Ø 600-900



Size	Reading Distance	Seconds	Illum.	Weight	Dim Single sided (mm)					
					A	B	C	D	E	F
Ø400	35m	No	No	X Kgs	407	38	97	210	105	43

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Specifications

GENERAL

Mounting	On-wall with bracket
Housing	Aluminium, powder coated
Colour	Grey, RAL 850-M
Dimensions (mm)	Ø400 x 76 (D)
Protection	IP-65
Connection	Ethernet (PoE)
Supported Protocols	SNTP version 3 and 4, MD5 authentication
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
Microcontroller	PIC16C558
Temperature range	-20°C to +50°C
Power consumption	14 mA

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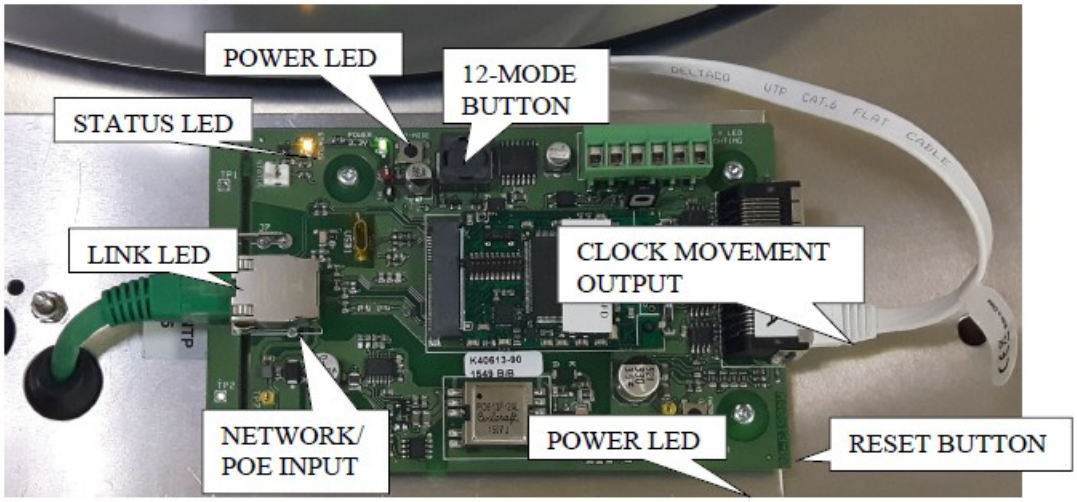
Connection details



Terminal	Description	Remark
Network/PoE input	10/100BASE-T. PoE 802.3af. Connector: RJ45	PoE Power consumption 4W max.

LED indicators			
LED	*Remark*		
LINK	Network Link/Act	Green = Link/Act OK	Black = No Link/Act.
STATUS	NTP sync. status	Yellow = Clock synchronised from NTP server	Black = Clock is unsynchronised
POWER	Power indication	Green = Power OK	Black = No power
LED Start up behaviour	At a normal start (Reset Button is not pressed) then the green LED is flashing about 2 seconds. Then the green LED is turned off. When the clock is synchronized the green LED is turned on.		

Buttons	
Reset button	Action when the reset button is pressed:
Button pressed during Power up	The application stays in boot-loader mode for ever and waits for firmware upgrade.
Button pressed 3-9 seconds	Soft reset. The application restarts immediately.
Button pressed >=10 seconds	Cold reset. The application restarts immediately in DHCP mode. If no DHCP server exist, the clock will take default address 192.168.3.10 after 60 seconds. All parameters except the MAC address will take default values.
12-mode button	When this button is pressed the clock hands will go to 12-position and stop there.

Used With

Marine Master Clock 70000

123378-01 Marine Master Clock 70000

Marine Master Clock with Network Time Server

123378-11 Marine Master Clock 70000L With Network Time Server

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