



Stainless steel clock for flush mounting ECO-SLH-DC series

The models series ECO-SLH-DC series are optimally suited for use in operating rooms, clean room environments, chemical plants, labs, swimming and fitness centres, as well as in the food and beverage industry, canteen, kitchens, etc.

- various synchronization options
- anti-glare front polycarbonate glass
- protection against water jets, easily washable with water and detergents, harmless to health, reliable
- simple keyboard / IR control
- front side protection IP 54 make the product suitable for various purposes

ECO-SLH-DC

Digital clock with stopwatch function, stainless housing, ideal for operating rooms

ADVANTAGES

- high-quality stainless steel housing
- flush design, brushed stainless steel frame, simple installation using four screws
- easily washable with water
- high resistance to washing disinfectants
- anti-glare polycarbonate front glass prevents glare and improves readability
- dust-proof housing, splash proof, IP 54

CLOCK

- display of time values (either 12 or 24 hours time cycle), four or six-digit, HH:MM or HH:MM^{SS} format
- display of calendar date in four or six-digit, DD.MM or DD.MM.YY format
- display of temperature in °C or °F, up to two sensors connectable

DISPLAY FEATURES

- 7-segment LED display
- digit height for hours and minutes 57 resp. 100 mm, for seconds 38 resp. 57 mm
- readability distance of 25 or 40 m
- single-line or two-line display
- digits in red, pure green, blue, yellow, white or green colour
- manual or automatic adjustment of the luminosity of LED displays
- excellent visibility, even from extremely sharp angles
- alternating time, date and temperature display, duration of the display can be customized

CLOCK AND STOPWATCH CONTROL

- operation of the clock and stopwatch operation via stainless steel keyboard or remote IR controller



ECO-SLH-SKF

HOUSING

- single sided design
- flush mounting into the wall or panel, fixation by means of four allen screws placed on the front panel
- stainless steel front panel (1.4301, AISI 304, brushed) particularly resistant to acids, cleaning and disinfectant, protected against direct sprays from all direction (limited ingress permitted) and dust
- other kind of stainless steel material on request
- easy installation
- structural depth 39 mm
- anti-glare polycarbonate front glass prevents reflections and improves the readability
- working temperature 0 to + 50°C
- protection degree IP 54

OPTION

- back cover



Front and back view

STOPWATCH

- counting upwards from zero, up to 24 hours
- counting downwards from a specified value, with stop at zero, with automatic restart or counting into negative values
- display of intermediate time values, "freezing" of display, cumulated intermediate time
- counting in steps of 1 minute, 1 second or 1/100 seconds
- operation via keyboard or remote IR controller
- possibility to connect another display unit(s)
- possibility of parallel switching over into the time/date or temperature display mode

FOR NTP and PoE VERSION ONLY:

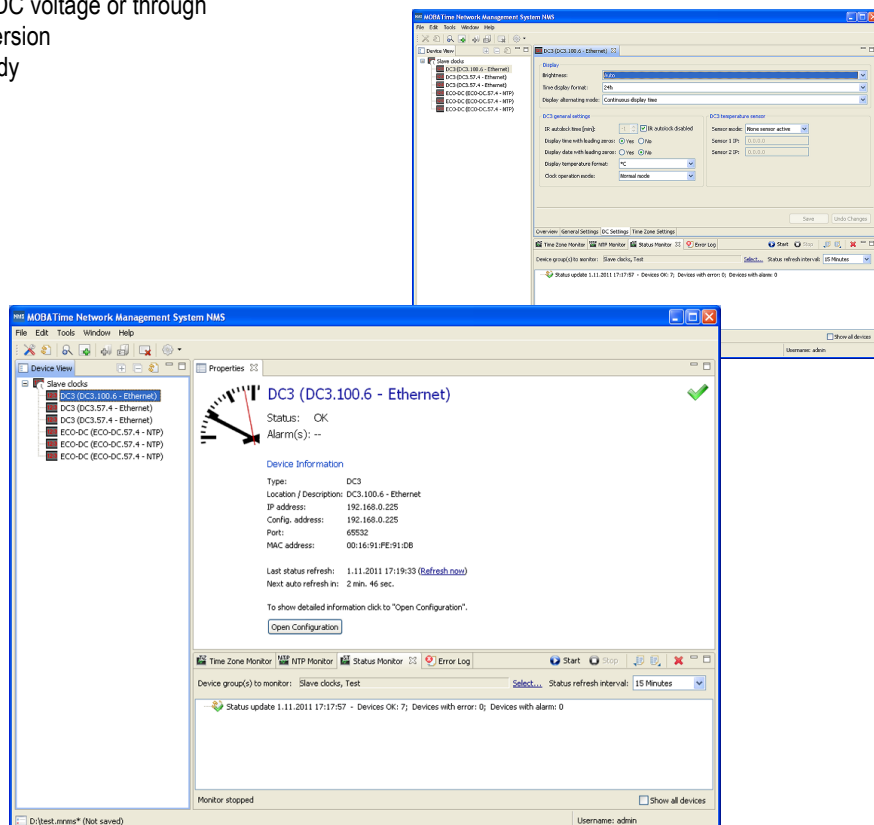
- DHCP / manual configuration of the clock parameters or setting over the telnet
- private options of DHCP string for automatic configuration of all clock parameters when connected to network
- configuration and monitoring using MOBA-NMS software or SNMP
- firmware update remotely through the network using the TFTP protocol
- powered from mains with wide input voltage range 100 -240VAC, optionally from 24 VDC voltage or through PoE (IEEE 802.3af) by NTP version
- NTP and PoE version IPv6 ready

OPERATION

- setting of the clock parameters and time – date setting by stopwatch keyboard or through IR remote controller
- autonomous quartz time base with the possibility of synchronization by means of the DCF 77 signal or by GPS signal
- more digital clocks can be connected to one DCF 77 radiosignal or GPS receiver in series

SYNCHRONIZATION TYPES

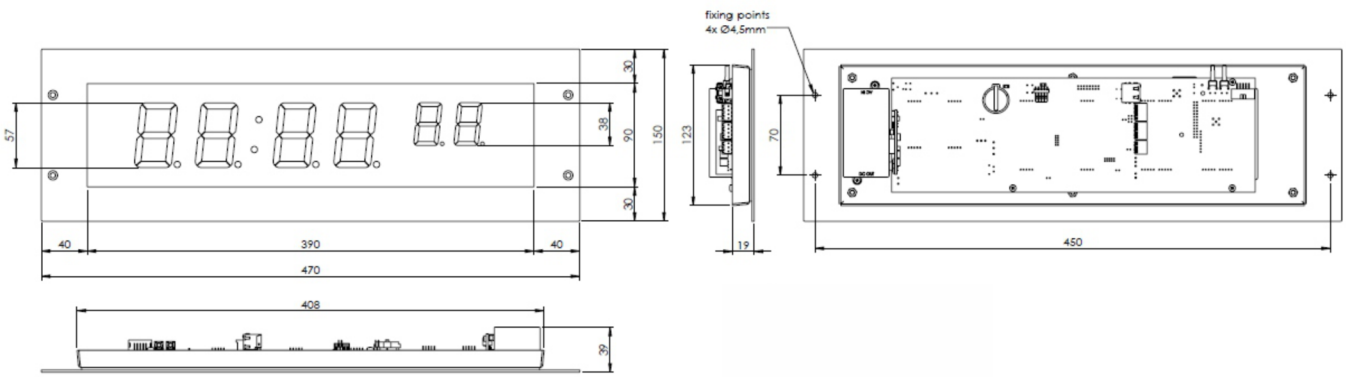
- DCF 77
- GPS
- MOBALine
- NTP over Ethernet
- IRIG-B
- (un)polarized 24 VDC (minute, half minute and second pulses)
- RS 232
- RS 485
- MOBATIME serial code



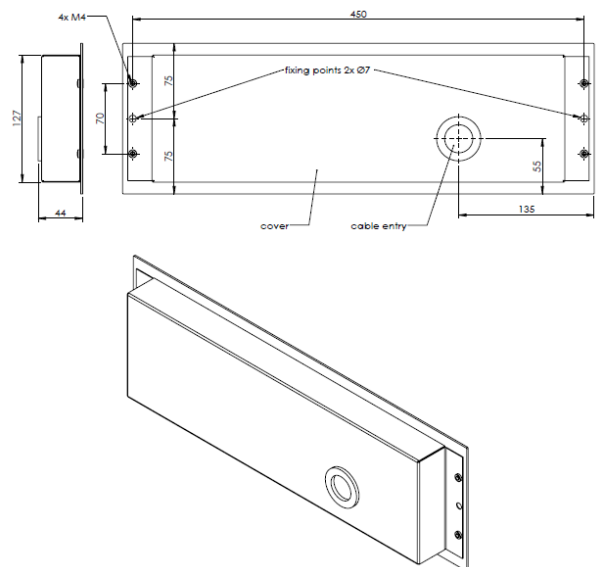
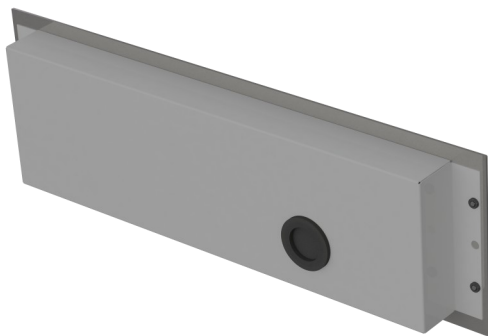
MOBA-NMS software allows configuration, monitoring and management of complete time system from single point in the network.

ECO-SLH-DC example of design

ECO-SLH-DC.57.6.R.N.F



Back cover as option



Specification		ECO-SLH-DC.57.4	ECO-SLH-DC.57.4.2	ECO-SLH-DC.57.6	ECO-SLH-DC.57.6.2	ECO-SLH-DC.57x.6	ECO-SLH-DC.57x.6.2	ECO-SLH-DC.100.4	ECO-SLH-DC.100.6	ECO-SLH-DC.100x.6
Display	height of the digits [mm]	57	57	57/38	57/38	57	57	100	100 / 57	100
	number of digits	4	4	4+2	4+2	6	6	4	4+2	6
	number of lines	1	2	1	2	1	2	1	1	1
Time/Date display format	HH : MM DD.MM	✓	✓					✓		
	HH : MM ^{SS} DD. MM.YY			✓	✓				✓	
	HH : MM : SS DD. MM.YY					✓	✓			✓
Powering	standard	100 - 240 VAC, 50 - 60 Hz								
	VDC (on request)	18—56 VDC (18—40 VAC)								
	PoE variant (IEEE 802.3af)	1 LAN input								
Power consumption [VA]	single sided, mains powered	7	11	8	16	8	16	7	8	10
	single sided, PoE	7	11	8	15	8	15	7	8	10
Crystal timebase	passive running reserve (time + date)	6 years (except PoE)								
	running reserve PoE version	12 hours								
	accuracy at 20° C	± 0.1 s / day without synchronization (after 24 hours of synchronization at constant temperature)								
Accuracy of temperature measurement	range -10 ÷ +85 °C	±0,5 °C								
	range -50 ÷ +125 °C	±2,0 °C								
Operating environment	temperature	-5 ÷ +50 °C								
	humidity	0 - 95%, (without condensation)								
	protection degree	IP 54								
Weight [kg] (without mounting bracket)	flush mounting N.F	2,6	4	3,3	5	3,5	5,5	4,7	5,8	6,5
Dimensions [mm] (W x H x D)	flush mounting N.F	380	380	470	470	500	500	555	695	770
		150	260	150	260	150	260	220	220	220
	39	39	39	39	39	39	39	39	39	39
flush mounting back cover dimension W1 x H1	318	318	408	408	438	438	493	633	708	
	123	233	123	233	123	233	193	193	193	

Stainless steel keyboard	ECO-SLH-SKF	ECO-SLH-SKF back cover dimension W1 x H1
Dimensions [mm] (W x H x D)	82 x 152 x 50	67 x 139