

DIGITAL INDOOR CLOCK

SLH-DC

The model series SLH-DC is optimally suited for the use in operating theaters, clean room environments, chemical plants, laboratories, swimming and fitness centers, as well as the food and beverage industry, canteen kitchens etc.



FEATURES

DISPLAY

- continuous display of time, date, temperature or stopwatch
- alternating display of time, date, calendar week, temperature, humidity, and atmospheric pressure, with customizable intervals from 0-60 seconds for each display
- manual or sensor-controlled automatic display brightness adjustment
- wide viewing angle (160°)

Time

- 12/24 hour cycle
- with or without leading zero
- AM/PM indication for 12 hour cycle

Date

- with or without leading zero

Temperature

- in °C or °F

HOUSING

- clock frame made of stainless steel (AISI 304, brushed)
- anti-reflection front cover made of polycarbonate, including a filter layer for optimal readability

STOPWATCH

- counting up from zero, up to 24 hours
- counting down from a predefined time value, with stop at zero, automatic restart from predefined time or counting into negative values
- display of intermediate time values, display "freeze"
- counting in steps of 1 day, 1 minute, 1 second or 1/100 seconds
- possibility to connect another display unit
- possibility of parallel switching over into the time and date or temperature display mode

CONFIGURATION

- setting of the clock parameters, as well as time, date,

and stopwatch control by means of IR/RF remote controller; stopwatch can additionally be controlled via big red button

SYNCHRONIZATION

- autonomous operation with internal quartz base
- accuracy ± 0.1 s/day at constant temperature – software trimming
- possibility to configure any time zone
- NTP multicast or unicast synchronization, powered over Ethernet (PoE) or mains
- MOBATIME serial code, MOBALine, impulse line, DCF or IRIG-B, mains powered
- RTC backup by means of supercapacitor (lithium battery on request)

NETWORK

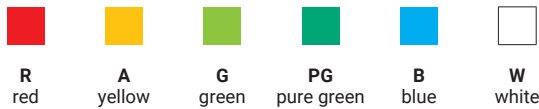
- IPv4 and IPv6 support
- DHCPv4, DHCPv6 / manual configuration of the clock parameters or configuration via web interface
- DHCPv4, DHCPv6 private strings allow easy configuration of clock parameters when connected to LAN

ORDER KEY

1 FORMAT

| Digit height | 10:08 | 10:08 ²⁵ | 10:08:25 | Reading distance |
|-----------------|--------|---------------------|----------|------------------|
| 57 mm | 57.4 | 57.6 | 57x.6 | 25–30 m |
| 57 mm two lines | 57.4.2 | 57.6.2 | 57x.6.2 | 25–30 m |
| 100 mm | 100.4 | 100.6 | 100x.6 | 40–60 m |

2 DISPLAY COLOR



3 INSTALLATION



WALL MOUNTING
N.N (single-sided)



FLUSH MOUNTING
N.F (single-sided)



CEILING SUSPENSION
N.S (single-sided)
D.S (double-sided)

4 SYNCHRONIZATION

| CODE | SYNCHRONIZATION | POWER SUPPLY |
|-------|---|--------------|
| NTP | NTP | Mains |
| PoE | NTP | PoE |
| WiFi | WiFi (2.4 GHz), NTP | Mains |
| WiFi5 | WiFi (2.4/5.0 GHz), NTP | Mains |
| LGC | MOBALine / DCF / IRIG-B / (un)polarized 24 VDC pulses | Mains |

5 OPTIONS

| CODE | OPTION |
|--------|--|
| RS485 | RS-485 interface |
| VDC | Power supply via 18–56 VDC |
| BAT | Lithium battery |
| REL | Internal relay |
| REL-IP | Internal relay with firmware for switching functions |
| RP | Redundant power supply (PoE + 24 VDC) |
| SL | SMD diode display |

6 ACCESSORIES

| CODE | OPTION |
|-----------|--|
| IR | infrared remote control |
| AD 650 | DCF77 radio signal receiver |
| GNSS 4500 | GNSS receiver including antenna |
| SK | keyboard for stopwatch control, 5m cable |
| SKH | stainless steel keyboard for clock and stopwatch control, 5m cable, handheld |
| SKF | stainless steel keyboard for clock and stopwatch control, flush mounting |
| SKW | stainless steel keyboard for clock and stopwatch control, wall mounting |
| TP 3m | temperature sensor, IP 66, 3m cable |
| TP 30m | temperature sensor, IP 66, 30m cable |
| TPH 1m | temperature and humidity sensor, IP 66, 1m cable |
| BRB10 | big red button for stopwatch control |
| CB | Code Blue signal receiver, AC/DC input range 7–350 V |

ORDER CODE

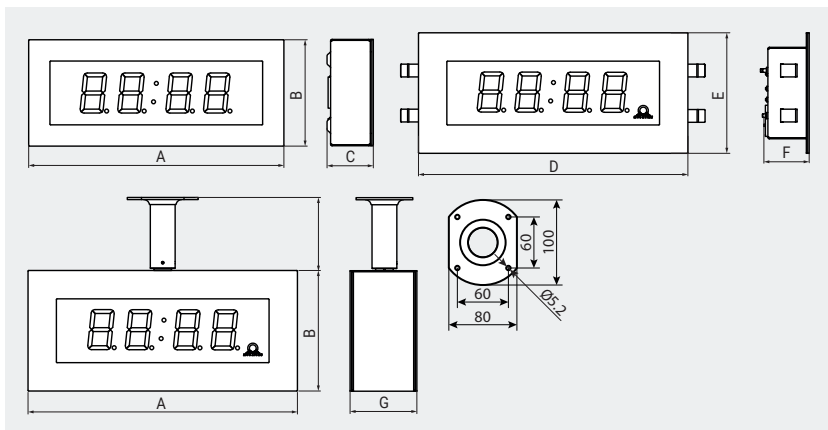
SLH-DC . **1** . **2** . **3** . **4** . **5** . **6**

Example: SLH-DC.100x.6.R.N.N.WiFi.SL

TECHNICAL DATA

| SLH-DC | 57.4 | 57.6 | 57x.6 | 100.4 | 100.6 | 100x.6 | |
|--|---|---|-------------|---------------|--------|--------|-----|
| Digit height (mm) | 57 | 57/38 | 57 | 100 | 100/57 | 100 | |
| Display features | Time display in 12-hour or 24-hour format Alternating display of time, date and temperature ¹ (in °C or F°), air pressure ¹ and humidity ¹ Automatic or manual display brightness adjustment Stopwatch (count up to 24 hours, countdown from set value, display of time intervals, freezing of display...) Stopwatch operation via push buttons, IR remote control | | | | | | |
| Material | Housing: stainless steel V2A Cover glass: anti-reflective polycarbonate | | | | | | |
| Power supply | Standard: 100 – 240 VAC, 50 – 60 Hz VDC (option, not for PoE version): 24 VDC PoE version: PoE (IEEE 802.3af class 0) | | | | | | |
| Power consumption (VA) | SS | 7 (2L: 11) | 8 (2L: 16) | 8 (2L: 16) | 7 | 8 | 10 |
| | DS | 11 | 16 | 16 | 11 | 16 | 18 |
| | SS PoE | 7 (2L: 11) | 8 (2L: 15) | 8 (2L: 15) | 7 | 8 | 10 |
| | DS PoE | 11 | 15 | 15 | 11 | 15 | 15 |
| Quartz accuracy at 20 °C | ± 0.1 seconds/day without synchronization (after 24 hours of synchronization at constant temperature) | | | | | | |
| RTC backup/ quartz-based time maintenance | Mains power supply | from lithium battery: > 2 years (without power supply) / > 15 years (with power supply) | | | | | |
| | PoE power supply | no time maintenance | | | | | |
| Temperature precision | -25 to +85 °C: ±0.5 °C, -50 to +125 °C: ±2.0 °C | | | | | | |
| Operating conditions | -5 to +55 °C (0 to 95% relative humidity, non-condensing) | | | | | | |
| Degree of protection | IP 54 | | | | | | |
| Standards | 2002/96/EC / 2011/65/EU / 2014/30/EU / 2014/35/EU / EN 50121-4 / EN 55022 / EN 55024 / EN 60950-1 | | | | | | |
| Weight (kg) | SS | 2.6 (2L: 4) | 3.3 (2L: 5) | 3.5 (2L: 5.5) | 4.7 | 5.8 | 6.5 |
| | DS | 4 | 5 | 5.5 | 7.3 | 9 | 10 |
| Dimensions (in mm, see below) | A | 360 | 450 | 480 | 555 | 695 | 770 |
| | B | 150 (2L: 260) | | | 220 | | |
| | C | 65 | | | | | |
| | D | 380 | 470 | 500 | 555 | 695 | 770 |
| | E | 170 (2L: 280) | | | 220 | | |
| | F | 62 | | | | | |
| | G | 95 | | | | | |

SS = single-sided; DS = double-sided; 2L = two lines
¹ only with external temperature sensor



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*Have questions?
We are happy to help.*

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