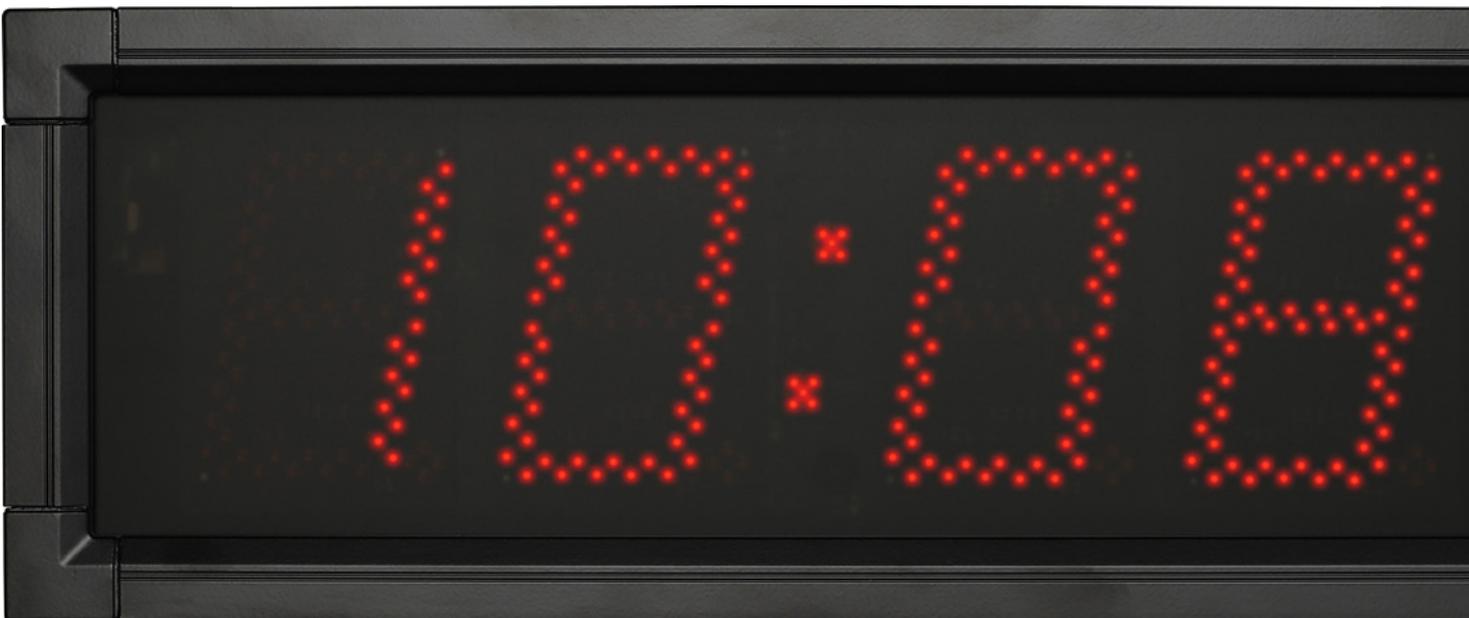


## DIGITAL OUTDOOR CLOCK

# DSC

*The DSC is a general-purpose digital clock of contemporary design and slim appearance. Its robust housing and bright display make it ideal for both outdoor and indoor applications where readability from large distances is desired.*



# 6 STEPS TO YOUR DSC

To make sure your digital clock meets all your requirements, you can assemble the components individually. Choose from various sizes, colors, and display variants, as well as installation options and additional options. Configure your DSC according to your wishes, suitable for rooms and general conditions. Our experts will be happy to help you if you have questions.

## 1.

### Define your display type and digit height

#### FORMAT

You have the choice. Display type, digit size, and number of digits offer multiple variations. The reading distance varies depending on the color, lighting, viewing angle, etc. The order code is composed as follows:

| Digit height | 10:08 | 10:08:25 | Reading distance |
|--------------|-------|----------|------------------|
| 100mm        | 100.4 | 100x.6   | 40–60 m          |
| 180mm        | 180.4 | 180x.6   | 70–100 m         |
| 190mm        | 190.4 | 190x.6   | 75–110 m         |
| 250mm        | 250.4 | 250x.6   | 100–150 m        |
| 320mm        | 320.4 | 320x.6   | 120–190 m        |
| 500mm        | 500.4 | 500x.6   | 200–300 m        |

## 2.

### Choose your display color

#### DISPLAY COLOR

The display background is black, offering optimal display contrast with a viewing angle of 160 degrees. The digit color is selectable. The available variants:

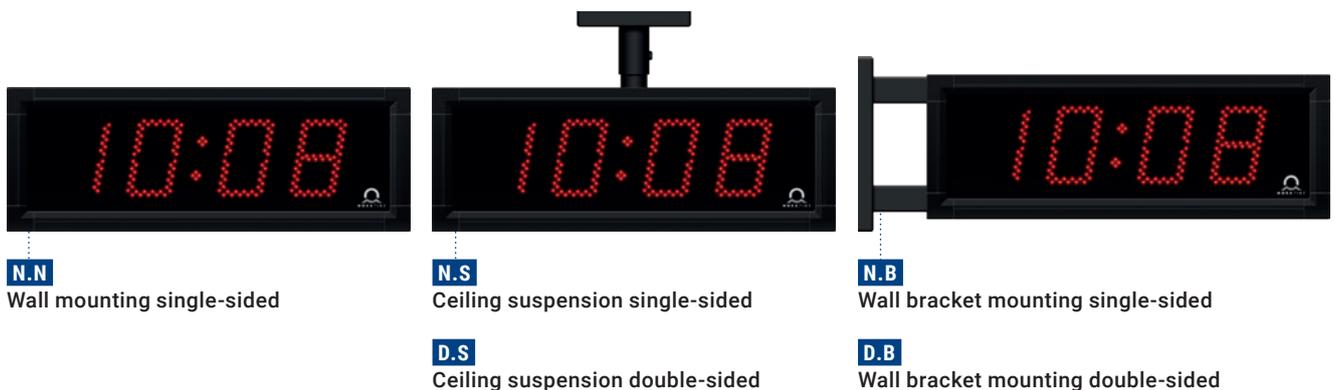


## 3.

### Which installation solution works?

#### INSTALLATION SOLUTION

Choose the single- or double-sided solution and pick a fitting installation option.



# 4. Which time code do you need?

## SYNCHRONIZATION

The following types of synchronization are available:

| CODE  | SYNCHRONIZATION  | POWER SUPPLY |
|-------|--|--------------|
| STD   | Autonomous / MOBALine / (un)polarized 24 VDC pulses    | Mains        |
| SI    | Like STD, with RS-232, RS-485 and IRIG-B interface     | Mains        |
| NTP   | NTP  | Mains        |
| PoE   | NTP  | PoE          |
| PoE+  | NTP  | PoE+         |
| WiFi  | WiFi (2.4 GHz), NTP                                    | Mains        |
| WiFi5 | WiFi (2.4/5.0 GHz), NTP                                | Mains        |
| GPS   | Integrated GPS receiver with external magnetic antenna | Mains        |

# YOUR DSC CLOCK IS COMPLETE

You can now order your DSC and calculate the corresponding code. Enter the abbreviation for each component of your choice in the bright field and find your product code. It can be used immediately as an order code.

My DSC clock DSC.

1. *Format* Code

2. *Display color* Code

3. *Installation solution* Code

4. *Synchronization* Code

5. *Housing color* Code

6. *Option* Code

# 5. Which housing color works?

## HOUSING COLOR

The aluminum housing is usually ordered in black or silver. It is available in any RAL color on request.



black  
RAL 9005



silver  
RAL 9006



RAL  
on request

# 6. Want additional options?

## OPTIONS

On request, the DSC can be equipped with the following additional feature:

| CODE | OPTION  |
|------|---|
| VDC  | Power supply via 18–56 VDC                                |
| REL  | Internal relay  |
| ANT  | Magnetic GPS antenna, cable 5m (included for GPS version) |

## Example order code



|      | 1.                          | 2.          | 3.                             | 4.               | 5.            | 6.        |
|------|-----------------------------|-------------|--------------------------------|------------------|---------------|-----------|
| DSC. | 100.4                       | R           | N.N                            | STD              | black         |           |
| DSC  | digit height 100mm<br>HH:MM | red display | wall mounting,<br>single-sided | standard version | black housing | no option |

## Do you need accessories?

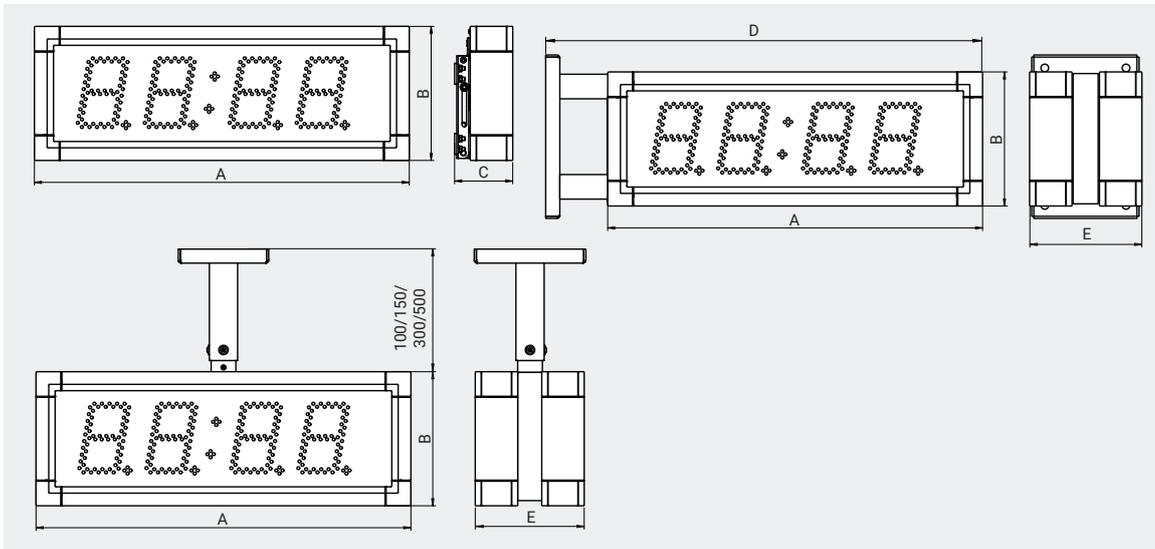
### ACCESSORIES

| CODE      | ACCESSORY   |
|-----------|---|
| IR        | remote IR controller  |
| RF        | Long-range RF remote control  |
| AD 650    | DCF77 radio signal receiver   |
| GNSS 4500 | GNSS receiver including antenna   |
| SK        | keyboard for stopwatch control, cable 5m  |
| TP 3m     | temperature sensor, IP 66, cable 3m   |
| TP 30m    | temperature sensor, IP 66, cable 30m  |
| TP RS485  | temperature sensor with RS 485 interface, power supply 12 VDC, cable between sensor and interface 3 m (for SI version only)                 |
| TP LAN    | temperature sensor with Ethernet interface, power supply 5 VDC, cable between sensor and interface 3 m (for NTP, PoE and WiFi version only) |

# TECHNICAL DATA

| DSC                                      |              | 100.4  | 100x.6 | 180.4 | 180x.6 | 190.4 | 190x.6 | 250.4 | 250x.6 | 320.4 | 320x.6 | 500.4      | 500x.6 |
|--|--------------|--|--------|-------|--------|-------|--------|-------|--------|-------|--------|------------|--------|
| Digit height (mm)                        |              | 100  | 100    | 180   | 180    | 190   | 190    | 250   | 250    | 320   | 320    | 500        | 500    |
| Display features                         |              | Time display in 12-hour or 24-hour format<br>Alternating display of time, date, temperature <sup>1</sup> (in C° or F°), air pressure <sup>1</sup> and humidity <sup>1</sup><br>Automatic or manual display brightness adjustment<br>Stopwatch (count up to 24 hours, countdown from set value, display of time intervals, freezing of display...)<br>Stopwatch operation via push buttons, IR remote control |        |       |        |       |        |       |        |       |        |            |        |
| Material                                 |              | Housing: aluminum<br>Cover glass: tempered mineral glass with anti-reflective foil   |        |       |        |       |        |       |        |       |        |            |        |
| Power supply                             |              | Standard: 100 – 240 VAC, 50 – 60 Hz<br>VDC (on request): 18 – 56 VDC (18 – 40 VAC)   |        |       |        |       |        |       |        |       |        |            |        |
| Power consumption (VA)                   | SS           | 15   | 22     | 23    | 33     | 23    | 33     | 37    | 55     | 45    | 67     | 54         | 80     |
|  | DS           | 29   | 42     | 44    | 66     | 44    | 66     | 72    | 108    | 88    | 132    | 106        | 159    |
| 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 |              | From lithium battery: > 6 years  |        |       |        |       |        |       |        |       |        |            |        |
| Temperature precision                    |              | -25 to +85 °C: ±0.5 °C, -50 to +125 °C: ±2.0 °C  |        |       |        |       |        |       |        |       |        |            |        |
| Operating conditions                     |              | -25 to +60 °C (0 to 95% relative humidity, non-condensing)   |        |       |        |       |        |       |        |       |        |            |        |
| Degree of protection                     |              | IP 65  |        |       |        |       |        |       |        |       |        |            |        |
| Standards                                |              | 2011/65/EU / 2014/30/EU / 2014/35/EU / EN 50121-4 / EN 55022 / EN 55024 / EN 60950-1   |        |       |        |       |        |       |        |       |        |            |        |
| Weight (kg)                              | SS (N.N/N.S) | 5.5  | 7.5    | 10    | 13.5   | 10    | 13.5   | 17    | 24.5   | 23    | 32.5   | 53         | 75     |
|  | SS (N.B)     | 10.5   | 12.5   | 16.5  | 21     | 16.5  | 21     | 26.5  | 34     | 34    | 46.5   | on request |        |
|  | DS (D.S)     | 15   | 18.5   | 24.5  | 32.5   | 24.5  | 32.5   | 41    | 55.5   | 54    | 75     | on request |        |
|  | DS (D.B)     | 15.5   | 19     | 25    | 33     | 25    | 33     | 41.5  | 56     | 55    | 75.5   | on request |        |
| Dimensions (in mm, see below)            | A            | 530  | 750    | 840   | 1220   | 840   | 1220   | 1250  | 1740   | 1500  | 2200   | 2200       | 3250   |
|  | B            | 191  | 191    | 260   | 260    | 260   | 260    | 350   | 350    | 430   | 430    | 640        | 640    |
|  | C            | 85   | 85     | 85    | 85     | 85    | 85     | 85    | 85     | 85    | 85     | 122        | 122    |
|  | D            | 620  | 840    | 930   | 1330   | 930   | 1330   | 1360  | 1850   | 1610  | 2310   | on request |        |
|  | E            | 165  | 165    | 165   | 165    | 165   | 165    | 180   | 180    | 180   | 180    | on request |        |

SS = single-sided; DS = double-sided  
<sup>1</sup> only with external temperature sensor



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*Have questions?  
 We are happy to help.*

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