

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
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:

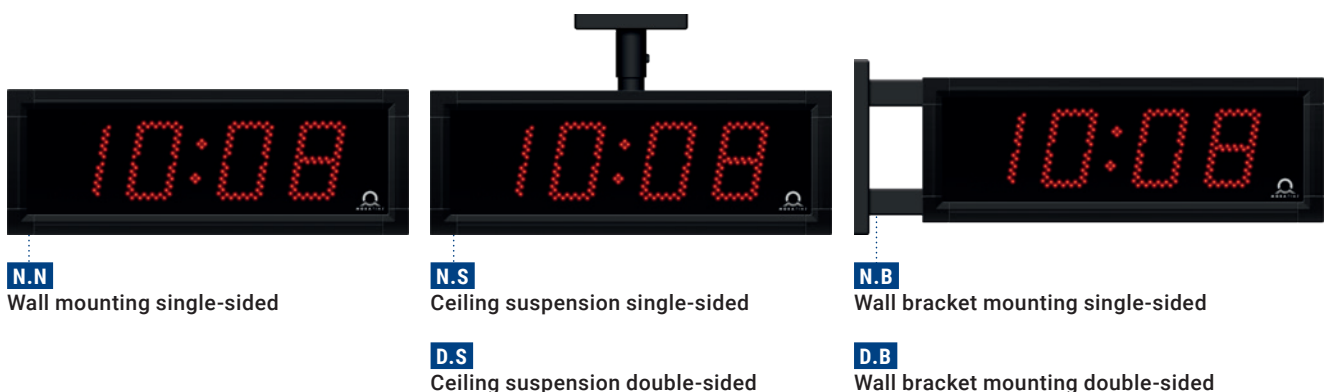


3.

Which installation solution works?

INSTALLATION SOLUTION

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



N.N
Wall mounting single-sided

N.S
Ceiling suspension single-sided

D.S
Ceiling suspension double-sided

N.B
Wall bracket mounting single-sided

D.B
Wall bracket mounting double-sided

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 anodized. It is available in any RAL color on request.



black



silver



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	red display	wall mounting, single-sided	standard version	black housing	no option
	HH:MM					

Do you need accessories?

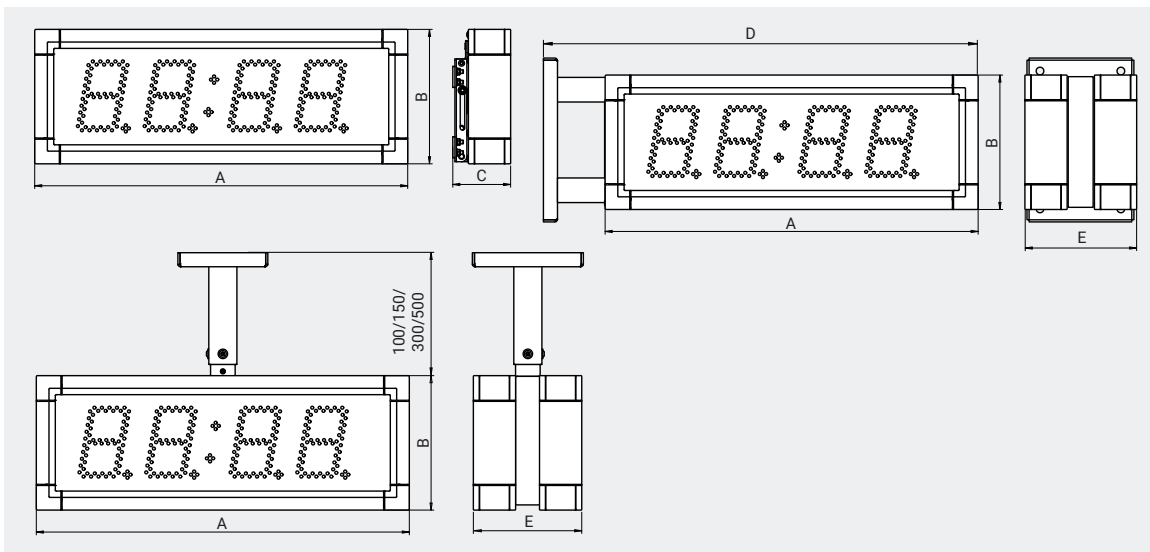
ACCESSORIES

CODE	ACCESSORY
IR	remote IR controller
RF	Long-range RF remote control
AD 650	DCF77 radio signal receiver
GPS 4500	GPS 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	250.4	250x.6	320.4	320x.6	500.4	500x.6
Digit height (mm)		100	100	180	180	250	250	320	320	500	500
Display features		Time display in 12-hour or 24-hour format Alternating display of time, date, 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: aluminum Cover glass: tempered mineral glass with anti-reflective foil									
Power supply		Standard: 100 – 240 VAC, 50 – 60 Hz VDC (on request): 18 – 56 VDC (18 – 40 VAC)									
Power consumption (VA)	SS	15	22	23	33	37	55	45	67	54	80
	DS	29	42	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	17	24.5	23	32.5	53	75
	SS (N.B)	10.5	12.5	16.5	21	26.5	34	34	46.5	on request	
	DS (D.S)	15	18.5	24.5	32.5	41	55.5	54	75	on request	
	DS (D.B)	15.5	19	25	33	41.5	56	55	75.5	on request	
Dimensions (in mm, see below)	A	530	750	840	1220	1250	1740	1500	2200	2200	3250
	B	191	191	260	260	350	350	430	430	640	640
	C	85	85	85	85	85	85	85	85	122	122
	D	620	840	930	1330	1360	1850	1610	2310	on request	
	E	165	165	165	165	180	180	180	180	on request	

SS = single-sided; DS = double-sided
¹ only with external temperature sensor



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*Have questions?
 We are happy to help.*

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