

DIGITAL OUTDOOR CLOCK

DSC

This type of general-purpose digital clock, intended to be used outdoors, features versatile combinations of height and number of digits. The clock meets the requirements of the majority of conventional applications.



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

N.B
Wall bracket mounting single-sided

D.S
Ceiling suspension double-sided

D.B
Wall bracket mounting double-sided

4. Which time code do you need?

SYNCHRONIZATION

The DSC is designed for all common synchronization types, and is also a good solution as a supplement to existing systems.

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

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)

Do you need accessories?

ACCESSORIES

Whether high-precision synchronization from satellite or radio, convenient operation, or temperature display – you can find the right accessories for your clock here.

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)

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

Example order code

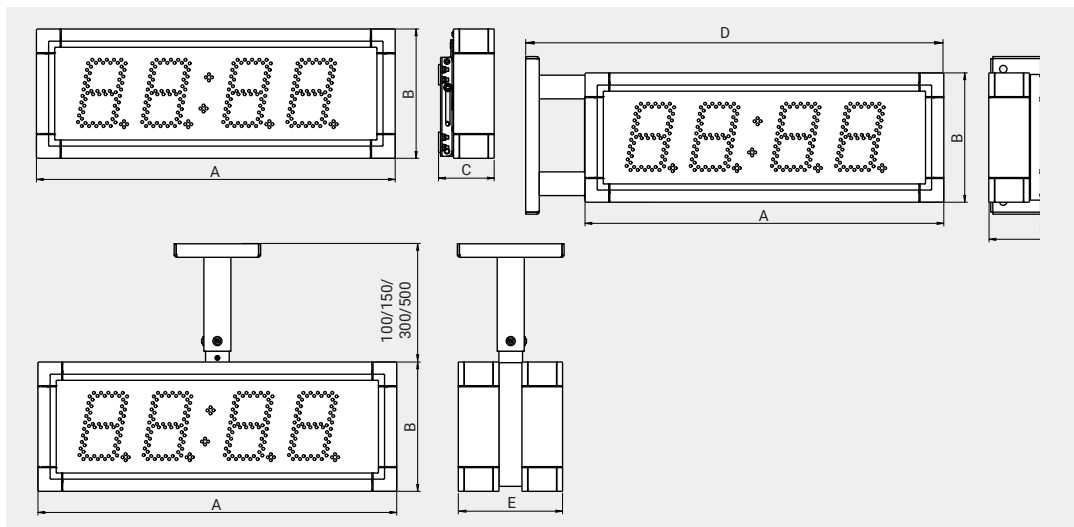


	1.	2.	3.	4.	5.	6.
DSC.	100.4.	R.	N.N.	STD.	black.	
DSC	digit height 100mm	red display	wall mounting, single-sided	standard version	black housing	no option

TECHNICAL DATA

TECHNICAL DATA	DSC.100.4	DSC.100x.6	DSC.180.4	DSC.180x.6	DSC.250.4	DSC.250x.6	DSC.320.4	DSC.320x.6	DSC.500.4	DSC.500x.6	
Digit height (mm)	100	100	180	180	250	250	320	320	500	500	
Time format	HH:MM	HH:MM:SS	HH:MM	HH:MM:SS	HH:MM	HH:MM:SS	HH:MM	HH:MM:SS	HH:MM	HH:MM:SS	
Date format	DD.MM.	DD.MM.YY	DD.MM.	DD.MM.YY	DD.MM.	DD.MM.YY	DD.MM.	DD.MM.YY	DD.MM.	DD.MM.YY	
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	SS	15 VA	22 VA	23 VA	33 VA	37 VA	55 VA	45 VA	67 VA	54 VA	80 VA
	DS	29 VA	42 VA	44 VA	66 VA	72 VA	108 VA	88 VA	132 VA	106 VA	159 VA
Quartz accuracy at 20 °C	Without synchronization: ±0.3 seconds/day										
Quartz-based time maintenance (without power supply)	From lithium battery: > 6 years										
Temperature precision	-25 to +85 °C: ±0.5 °C, -50 to +125 °C: ±2.0 °C										
Operating conditions	0 to +50 °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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