

DIGITAL OUTDOOR CLOCK

ECO-M-DSC

The ECO-M-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.



10:08

5 STEPS TO YOUR ECO-M-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 ECO-M-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 viewing angle is 160 degrees. The reading distance varies depending on the color, lighting, 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

2.

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

3. 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
IRIG	IRIG-B	Mains
NTP	NTP	Mains
PoE	NTP	PoE
PoE+	NTP	PoE+
GPS	Integrated GPS receiver with external magnetic antenna	Mains

4. Which housing color works?

HOUSING COLOR

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



black
RAL 9005



silver
RAL 9006



RALxxxx
on request

5. Want additional options?

OPTIONS

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

CODE	OPTION
VDC	Power supply via 18–56 VDC
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
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)

YOUR ECO-M-DSC CLOCK IS COMPLETE

You can now order your ECO-M-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 ECO-M-DSC clock ECO-M-DSC.

- 1. *Format* Code
- Display color* Code
- 2. *Installation solution* Code
- 3. *Synchronization* Code
- 4. *Housing color* Code
- 5. *Option* Code

Example order code



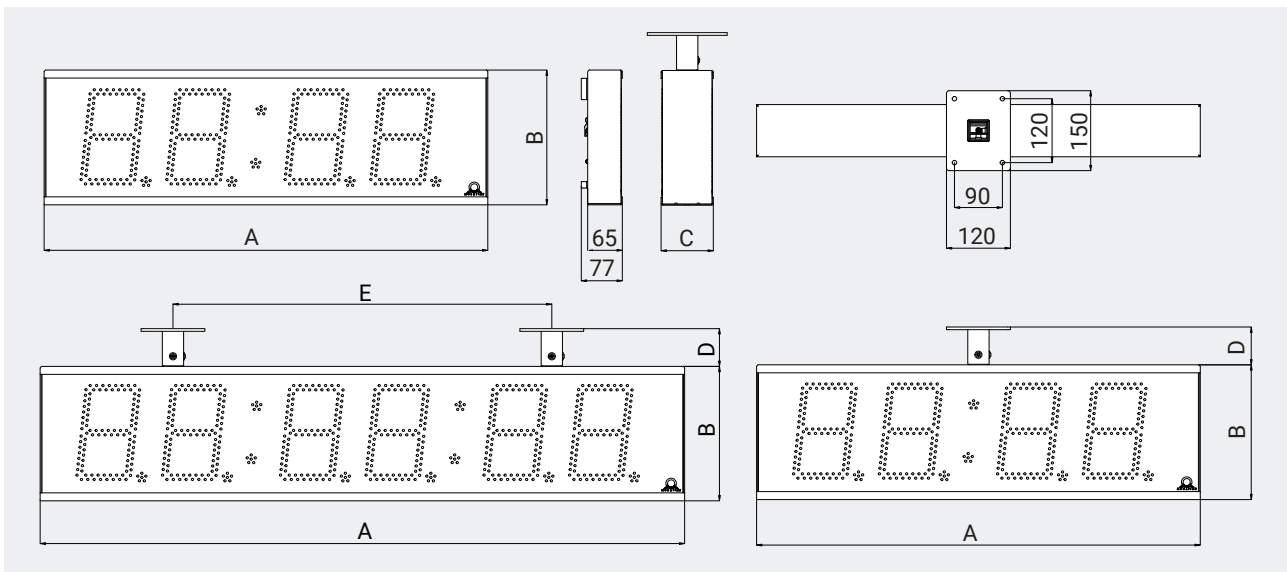
	1.	2.	3.	4.	5.
ECO-M-DSC.	100.4.	R.	N.N.	STD.	black.
ECO-M-DSC	digit height 100mm HH:MM	red display	wall mounting, single-sided	standard version	black housing
					no option

¹ standard, cannot be changed

TECHNICAL DATA

ECO-M-DSC		100.4	100x.6	180.4	180x.6	190.4	190x.6
Digit height (mm)		100	100	180	180	190	190
Display features		Time display in 12-hour or 24-hour format Alternating display of time, date and temperature ¹ (in C° or F°) 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	Mains	Standard: 100 – 240 VAC, 50 – 60 Hz VDC (on request): 18 – 56 VDC (18 – 40 VAC)					
	PoE SS	PoE (IEEE 802.3af)	PoE+ (IEEE 802.3at)	PoE+ (IEEE 802.3at)	-	-	-
	PoE DS	PoE+ (IEEE 802.3at)	-	-	-	-	-
Power consumption (VA)	SS	15	22	23	33	23	33
	DS	29	42	44	66	44	66
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) / > 6 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		-25 to +60 °C (0 to 95% relative humidity, non-condensing)					
Degree of protection		IP 54					
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
	DS (D.S)	15	18.5	24.5	32.5	24.5	32.5
Dimensions (in mm, see below)	A	533	753	833	1213	833	1213
	B	193	193	253	253	253	253
	C	SS: 65 / DS: 98					
	D	70/100/300/500					
	E	-	-	-	713	-	713

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



LE-801279_20 / 2022

*Have questions?
We are happy to help.*

Moser-Baer AG | Spitalstrasse 7 | CH-3454 Sumiswald
 Tel. 034 432 46 46 | Fax 034 432 46 99
 info@mobatime.com | www.mobatime.com

