MOBATIME

SWISS TIME SYSTEMS

LED DIGITAL CLOCK

DC

BEAUTIFUL AND FUNCTIONAL

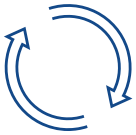
The slim housing of the DC models is packed with numerous functions and technical possibilities. The components can be individually selected to meet technical and visual requirements.

THE DC HAS PLENTY TO OFFER

The models of the DC series offer concentrated technology in a very slim housing, and surprise with several functions and design variants. The customizable display and many technical possibilities make the right solution possible for every application situation.

DISPLAY FEATURES

The LED display is available in several variants and colors; the reflection-free display background is black. Various display parameters can be set as required. (change display interval, world times, automatic brightness control, temperature settings, etc.)



SYNCHRONIZATION

The DC supports all common synchronization and input types. It runs autonomously on a quartz basis, with an external time signal receiver or as a slave clock. This also allows it to be well integrated into existing systems.

INTELLIGENT FUNCTIONS

The DC can do quite a bit more than many other digital clocks. In addition to the practical standard functions, each DC has a stopwatch with numerous options, a sensor for automatic display brightness, and other optional components (remote control, outdoor temperature sensor, etc.).

HOUSING & INSTALLATION

The slim yet robust aluminum housing is available in several sizes and many colors. Installation is simple and the service time-saving, as the clock is attached to the rear wall with a snap lock, even with the double-sided model.

SUPPORT

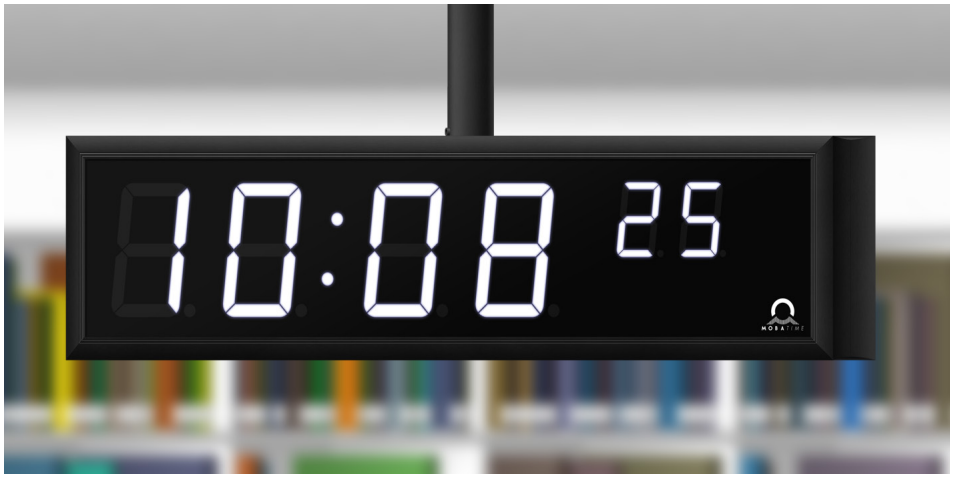
From planning to installation and during operation and maintenance – you can get answers to your questions and, if needed, support from our experts.

Hospital
DC 57.4, red display, wall console, double-sided, black housing

Hotel
DC 57.4, red display, ceiling suspension 50cm, one-sided, black housing

Airport
DC 180.4, red display, one-sided, silver housing

Factory
DC 75x.6, blue display, one-sided, silver housing



Library
DC 100.6, white display, ceiling suspension 30cm, double-sided, black housing

Custom
DC 75.4, yellow display, special design for installation in glass columns

6 STEPS TO YOUR DC

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 DC 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. Those with 6 digits are available with either large or small second digits. The order code is composed as follows:

Size	Code
57 mm	DC.57.4
75 mm	DC.75.4
100 mm	DC.100.4
180 mm	DC.180.4

Size	Code
57 mm	DC.57.6
75 mm	DC.75.6
100 mm	DC.100.6
180 mm	DC.180.6

Size	Code
57 mm	DC.57x.6
75 mm	DC.75x.6
100 mm	DC.100x.6
180 mm	DC.180x.6

2.

Choose your display color

DISPLAY COLOR

The display background is black, offering optimal display contrast. The digit color is selectable. The available variants:

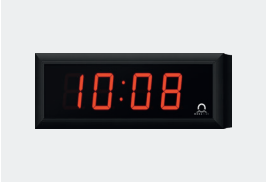
red (R) | yellow (Y) | green (G) | pure green (PG) | blue (B) | white (W)

3. Which installation solution works?

INSTALLATION SOLUTION

Choose the one- or double-sided solution and pick a fitting installation option. Here you can see the codes for ceiling or wall installation, as well as the variants with or without wall bracket.

CODE	DESCRIPTION
N.N	Wall installation
N.S	Ceiling suspension one-sided
N.B	Wall bracket mounting one-sided
D.S	Ceiling suspension double-sided
D.B	Wall bracket mounting double-sided



Wall installation

Ceiling suspension

Wall bracket

4. Which time code do you need?

SYNCHRONIZATION

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

CODE	SYNCHRONIZATION
STD	Standard version: autonomous / MOBALine / (un)polarized 24 VDC pulses
SI	STD with RS 232, RS 485 and IRIG-B interface, 230 VAC power supply
NTP	Ethernet version, NTP-synchronized, 230 VAC power supply
PoE	Ethernet version, NTP-synchronized, PoE power supply
PoEclass	Like PoE, supports performance class output
WTD	WTD wireless synchronization, 230 VAC power supply
WiFi	WiFi version, synchronized through NTP

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 DC can be equipped with the following additional features:

CODE	OPTION
VDC	Power supply via 24VDC
VDC 12V	Power supply via 12VDC
REL	Internal relay with firmware for switching functions
TP	Connector for temperature sensors (not for DC.180 WiFi)
SL	SMD diode display
IP 54	IP 54 safety rating (not for DC.180)
IP 65	IP 65 safety rating

YOUR DC IS COMPLETE

You can now order your DC 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 DC clock DC.

1. Format Code .

2. Display color Code .

3. Installation solution Code .

4. Synchronization Code .

5. Glass type Code .

6. Housing type Code

Example order code: DC.57.4.R.N.S.STD.silver.VDC

ACCESSORIES

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

GPS 4500

GPS 4500
Receiver for direct synchronization via GPS.

DCF 4500

DCF 4500
Receiver for direct synchronization via DCF 77.

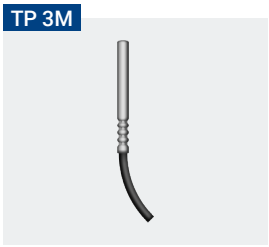
IR

Infrared remote control
Universal remote control for all MOBATIME digital clocks with infrared interface.

BD

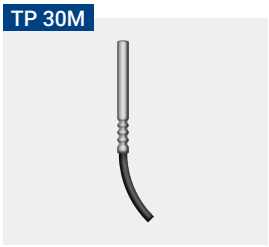
Stopwatch keyboard
Used to control the stopwatch function. Cable length 5m.

TP 3M



Temperature sensor
Cable length 3m.
Requires TP option.

TP 30M

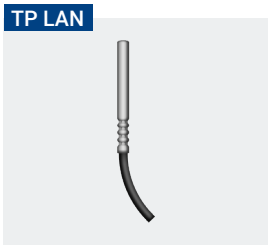


Temperature sensor
Cable length 30m.
Requires TP option.

TP RS485

Temperature sensor
Cable length 3m.
For SI version only.

TP LAN



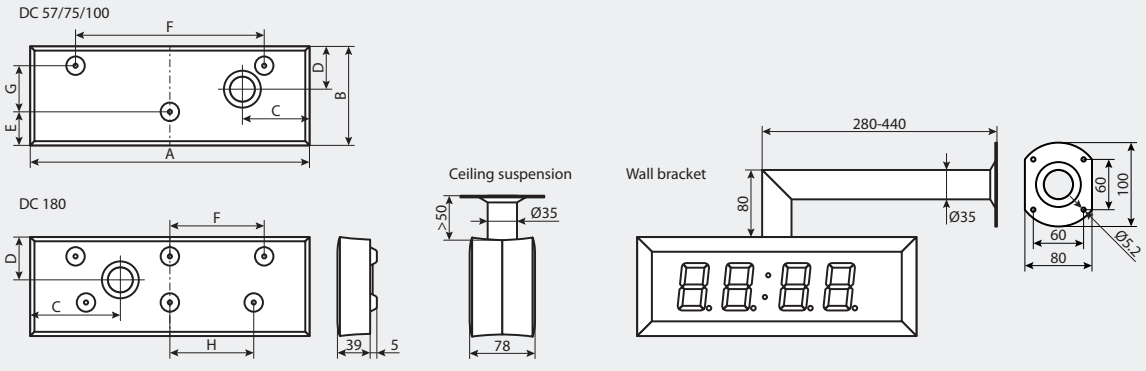
Temperature sensor
Cable length 3m.
For NTP, PoE, and WiFi versions only.

Wherever your journey takes you – we will be there. MOBATIME

TECHNICAL DATA

TECHNICAL DATA		DC.57.4	DC.57.6	DC.57x.6	DC.75.4	DC.75.6	DC.75x.6	DC.100.4	DC.100.6	DC.100x.6	DC.180.4	DC.180.6	DC.180x.6
Digit height (mm)		57	57/38	57	75	75/57	75	100	100/57	100	180	180/100	180
Time format		HH:MM	HH:MM^{SS}	HH:MM:SS	HH:MM	HH:MM^{SS}	HH:MM:SS	HH:MM	HH:MM^{SS}	HH:MM:SS	HH:MM	HH:MM^{SS}	HH:MM:SS
Power supply		Standard: 100 – 240 VAC, 50 – 60 Hz VDC (on request): 18 – 56 VDC (18 – 40 VAC) VDC 12V (on request): 12 – 16 VDC											
		PoE version: PoE (IEEE 802.3af class 0) PoEclass version: PoE (IEEE 802.3af class 3)									-	-	-
Power consumption	SS	7 VA	8 VA	8 VA	7 VA	7 VA	8 VA	7 VA	8 VA	10 VA	25 VA	30 VA	36 VA
	DS	11 VA	16 VA	16 VA	11 VA	11 VA	16 VA	11 VA	16 VA	18 VA	50 VA	60 VA	75 VA
	SS PoE	7 VA	8 VA	8 VA	7 VA	7 VA	8 VA	7 VA	8 VA	10 VA	6 VA	-	8 VA
	DS PoE	11 VA	15 VA	15 VA	11 VA	11 VA	15 VA	11 VA	15 VA	15 VA	10 VA	-	14 VA
Quartz accuracy at 20 °C		Without synchronization: ±0.3 seconds/day											
Quartz-based time maintenance (without power supply)	Mains power supply	From lithium battery: > 6 years											
	PoE version	No time maintenance (> 12 hours from SuperCap on request)											
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 40, optionally IP 54 or IP 65									IP 40, optionally IP 65		
Weight (kg)	SS	1.4	1.8	1.9	1.9	2.4	2.5	2.4	3.1	3.5	6.3	9.3	10.4
	DS	2.6	3.0	3.2	3.5	4.2	4.3	4.4	5.6	6.0	10.2	15.3	17.6
Dimensions (in mm, see below)	A	333	423	454	400	525	550	510	652	728	880	1146	1260
	B	118	118	118	140	140	140	169	169	169	264	264	264
	C	80	80	80	80	80	80	80	80	80	300	470	275
	D	51	51	51	55	55	55	51	51	51	120	120	120
	E	40	40	40	35	35	35	36	36	36	44	44	44
	F	225	225	256	300	425	450	300	400	470	300	400	520
	G	55	55	55	75	75	75	110	110	110	180	180	180
	H	-	-	-	-	-	-	-	-	-	260	450	520
		DC.57.4	**DC.57.6**	**DC.57x.6**	**DC.75.4**	**DC.75.6**	**DC.75x.6**	**DC.100.4**	**DC.100.6**	**DC.100x.6**	**DC.180.4**	**DC.180.6**	**DC.180x.6**

SS = one-sided; DS = double-sided



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Have questions?
We are happy to help.

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