DIGITAL OUTDOOR CLOCK

DT

The elegant and slim digital clock shows not only the exact time but also air and/or water temperature. It can be installed indoor or outdoor and is therefore the ideal clock for out- and indoor swimming pools, ski resorts, spas, public buildings, etc.

5 STEPS TO YOUR DT

To make sure your digital clock meets all your requirements, you can assemble the components individually. 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 and digit size offer multiple variations. The reading distance varies depending on the color, lighting, viewing angle, etc. The order code is composed as follows:

Code	Size	Reading distance
100	100mm	40–60 m
100/57	Time/date: 100mm Temperature: 57mm	40–60 m 25–30 m
180	180mm	70–100 m

2.

How many displays do you need?

DISPLAYS

The DT supports up to two time and three temperature displays, color combinations are possible.

CODE	DESCRIPTION
1Cx	One time display
2Cx	Two time displays

CODE	DESCRIPTION
1Tx	One temperature display
2Tx	Two temperature displays
3Tx	Three temperature displays

The display background is black, offering optimal display contrast with a viewing angle of 160 degrees. The following colors are available:

red (R)	yellow (A)	pure green (PG)	blue (B)	white (W)

Example: 1CR.1TR1TPG

One red time display, one red and one pure green temperature display

3.

Which installation solution works?

INSTALLATION SOLUTION

Choose the one- 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 DT 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
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

5. Want additional options?

OPTIONS

On request, the DT can be equipped with the following additional features:

CODE	OPTION
VDC	Power supply via 18−56 VDC
ANT	Magnetic GPS antenna, cable 5m (included for GPS version)
RALxxxx	housing in custom RAL color

Do you need accessories?

ACCESSORIES

Whether high-precision synchronization from satellite or radio or convenient operation – 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
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 DT IS COMPLETE

You can now order your DT 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 DT clock   DT.

1. Format   Code [   ] .

2. Display color   Code [   ] .

3. Installation solution   Code [   ] .

4. Synchronization   Code [   ] .

5. Option   Code [   ] .

Example order code: DT.100.1CR.2TR1PG.V.N.N

Example order code

	1.	2.	3.	4.	5.
DT.	100.	1CR.1TR.	N.N.	STD.	
DT	digit height 100mm	one red time display one red temperature display	wall mounting, single-sided	standard version	no option

TECHNICAL DATA

DT	100/57. 1C.2T	100. 1C.1T	100. 1C.2T	100. 1C.3T	100. 2C.1T	100. 2C.2T	180. 1C.1T	180. 1C.2T	180. 1C.3T	180. 2C.1T	180. 2C.2T
Digit height (mm)	100/57	100	100	100	100	100	180	180	180	180	180
Display features	Time display in 12-hour or 24-hour format Alternating display of time, date and temperature (in C° or F°, with external temperature sensor connected) Automatic or manual display brightness adjustment									
Material	Housing: aluminum (RAL 7040) Cover glass: tempered mineral glass with anti-reflective foil									
No. of time displays	1	1	1	1	2	2	1	1	1	2	2
No. of temperature displays	2	1	2	3	1	2	1	2	3	1	2
Power supply	Standard: 100 – 240 VAC, 50 – 60 Hz VDC (on request): 18 – 56 VDC (18 – 40 VAC)									
Power consumption (VA)	28	20-30	30-45	40-60	30-45	40-60	30-46	45-69	60-92	45-69	60-92
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: > 2 years (without power supply) / > 15 years (with power supply)									
Temperature precision	-10 to +85 °C: ±0.5 °C, -55 to +99.5 °C: ±2.0 °C									
Operating conditions	-25 to +60 °C (0 to 95% relative humidity, non-condensing)									
Degree of protection	IP 65									
Standards	2002/96/EC / 2011/65/EU / 2014/30/EU / 2014/35/EU / EN 50121-4 / EN 55022 / EN 55024 / EN 60950-1									
Weight (kg)	8.5	9.5	13.5	17	13.5	17	24	35	44	35	44
Dimensions (in mm, see below) A	500	530	530	530	530	530	940	940	940	940	940
B	446	360	530	700	530	700	560	830	990	830	990
C	60	60	60	60	60	60	60	60	60	60	60

Have questions?
We are happy to help.

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