

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.



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



Which installation solution works?

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

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:



Example: 1CR.1TR1TPG

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



N.N Wall mounting single-sided





Ceiling suspension double-sided

D.S









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	



Want additional 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

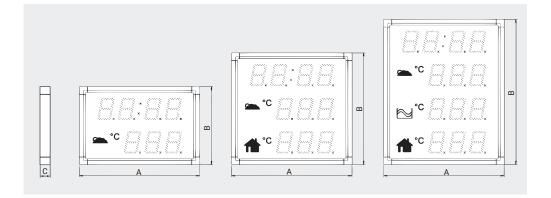
Example order code



	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 feature	?S		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 dis	plays	1	1	1	1	2	2	1	1	1	2	2
No. of tempera	ture displays	2 1 2 3 1 2 1 2 3 1				1	2					
Power supply		Standard: 100 – 240 VAC, 50 – 60 Hz VDC (on request): 18 – 56 VDC (18 – 40 VAC)										
Power consum	ption (VA)	28 20-30 30-45 40-60 30-45 40-60 30-46 45-69 60-92 45-69 60-				60-92						
Quartz accurac	y at 20 °C	± 0.1 seconds/day without synchronization (after 24 hours of synchronization at constant temperature)										
RTC backup/qu time maintena		From lithium battery: > 2 years (without power supply) / > 15 years (with power supply)										
Temperature p	recision		-10 to +85 °C: ±0.5 °C, -55 to +99.5 °C: ±2.0 °C									
Operating cond	ditions				-25 to +60) °C (0 to 95%	relative hum	nidity, non-co	ndensing)			
Degree of prote	ection	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	А	500	530	530	530	530	530	940	940	940	940	940
(in mm, see E	В	446	360	530	700	530	700	560	830	990	830	990
	С	60	60	60	60	60	60	60	60	60	60	60



Have questions? We are happy to help.

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