

In- and Outdoor Digital Clock **DSC Series**

This type of general-purpose digital clock, intended to be used in the outdoors, features four basic combinations of the height and the number of digits. The clock meets the requirements of the majority of conventional applications. 7 – segment display of high luminance elliptical LED provide for excellent readability from various angles of view even on direct sunshine.



The clock

- display of time values (either 12 or 24 hours time cycle)
- four-digit (HH:MM) or six-digit (HH:MM:SS) format
- display of calendar date in four or six digit format (including the year)
- display of temperature in °C or °F - up to two sensors connectable
- alternating display of time, date and temperature, with adjustable time period for the displaying of the corresponding figures
- possibility of setting up the time zone

Stop watch

- counting upwards, from zero, up to 24 hours
- counting downwards from a special value, with stop at zero, with automatic restart or
- counting into minus values
- display of intermediate time value, “freezing“ of display, cumulated intermediate time
- counting in steps of 1 minute, 1 second or 1/100 seconds

- operation via keyboard or remote IR controller
- possibility to connect another display unit
- possibility of parallel switching over into the time / date or temperature display mode

Basic properties

- digit height of 100 or 180 mm, which corresponds to readability distance of 40 respectively 70 m
- digits in red, yellow and pure green colour
- manual or automatic adjustment of the luminosity of LED displays
- front side glass with dark filter for improved readability
- single or double side design, for wall mounting (for single-sided clock design, only), or to be suspended or fixed to a side kicked up console
- wall mounting on tiltable console for easy installation procedure (optional)

- clock frame made by aluminium profiles with pulverized paint finish, RAL 7040 colour (light grey) as standard, any other RAL colour on request
- adjustment of clock parameters using two pushbuttons inside of the clock (behind the cover) or through remote controller
- autonomous, quartz controlled time base, with the possibility of synchronization using the following: DCF 77 radio signal, one-minute 24 V pulses, the MOBATIME serial code, MOBALine, RS 232, RS 485, IRIG-B or GPS
- possibility of connection of unlimited number of digital clocks to 1 DCF 77 radio signal receiver, in series
- protection degree IP 65

Accessories

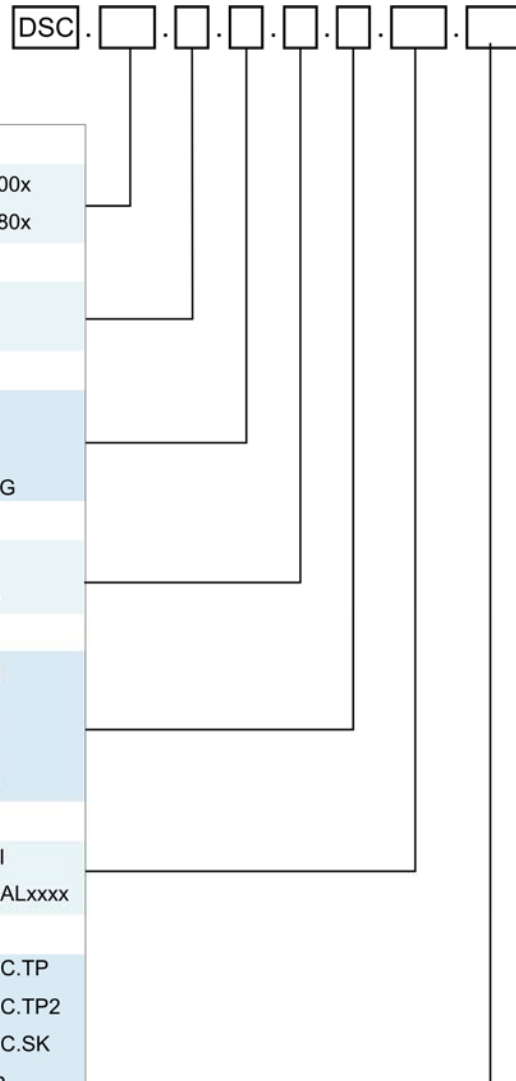
- DCF 77 radio signal receiver
- temperature sensor of IP 66 protection degree
- remote IR controller for clock set up and stop watch control

On request

- internal relay – possibility to adjust the time period of relay closing in the time countdown stopwatch mode, with relay contact closing at the moment of passage through zero

Type designation of the DCS series digital clock

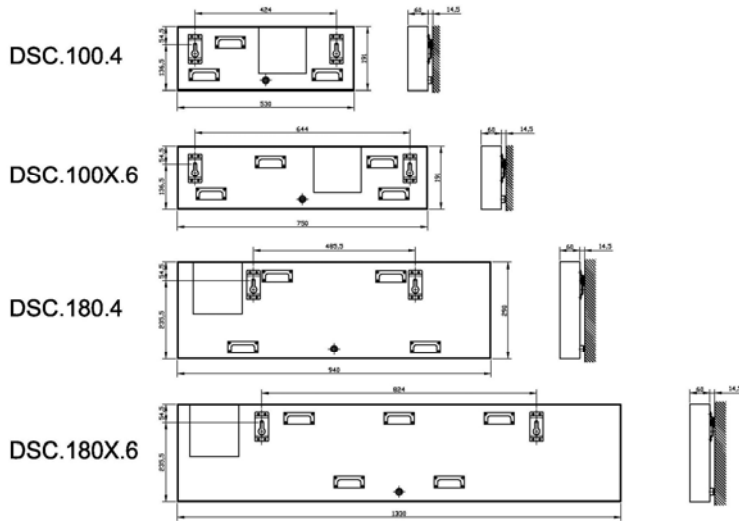
Digit height	
100 mm	100x
180 mm	180x
Number of digits	
four digits	4
six digits	6
Display colour	
red	R
yellow	Y
pure green	PG
Clock design	
single-side design	N
double-side design	D
Mode of assembly	
wall mounting (for single-side clock only)	N
wall mounting on tiltable console	T
ceiling suspension (conventionally 5, 10, 30, 50 cm)	S
side console	B
Options	
built-in RS 232, RS 485, IRIG-B interface	SI
frame colour on request (RAL 7040 as standard)	RALxxxx
Accessories	
temperature sensors	DC.TP
two temperature sensors	DC.TP2
keyboard for stopwatch control, cable 5 m	DC.SK
remote IR controller	IR
internal relay	REL
DCF 77 radio receiver	DCF 84
GPS receiver	GPS



Technical Data		DSC.100.4	DSC.100x.6	DSC.180.4	DSC.180x.6
Display	Digit Height	100 mm	100 mm	180 mm	180 mm
	Number of Digits	4	6	4	6
Time display (12 or 24 format)	HH:MM	✓		✓	
	HH:M:SS		✓		✓
Date display	DD:MM	✓		✓	
	DD:M:SS		✓		✓
Power supply	AC standard	100 - 240 V~, 50 - 60 Hz			
	DC on request	12 / 24 V= ± 20 %			
Power consumption (red, yellow)	single - sided	10 VA	15 VA	15 VA	23 VA
	double - sided	21 VA	31 VA	31 VA	50 VA
Power consumption (pure green)	single - sided	15 VA	23 VA	23 VA	35 VA
	double - sided	31 VA	50 VA	50 VA	71 VA
Quartz accuracy at 20°C	without synchronization	± 0.3 s / day			
Temperature accuracy	-25 to + 80 °C	± 1 °C ± 2 °F			
	-40 to - 25°C	± 2 °C ± 3 °F			
Operating temperature	-25 to + 60 °C, (0 to 95% relative humidity non condensing)				
Protection degree	IP 65				
Weigh [kg]	single - sided	5,5	8	14	20
	double - sided	12	17	30	43
Dimension [mm]	single - sided	530 x 191 x 60	750 x 191 x 60	940 x 290 x 60	1330 x 290 x 60
	double - sided	530 x 191 x 160	750 x 191 x 160	940 x 290 x 160	1330 x 290 x 160
Options					
IR remote control unit		✓	✓	✓	✓
Accessories					
DCF 84 radiosignalreceiver		✓	✓	✓	✓
GPS 4500 receiver		✓	✓	✓	✓
External temperature sensor of IP 66protection degree		✓	✓	✓	✓
Keyboard for stopwatch control, cable 5 m		✓	✓	✓	✓
Internal relay		✓	✓	✓	✓

Clock assembly

wall mounting



wall mounting on the tiltable console (optional)



ceiling suspension mounting

