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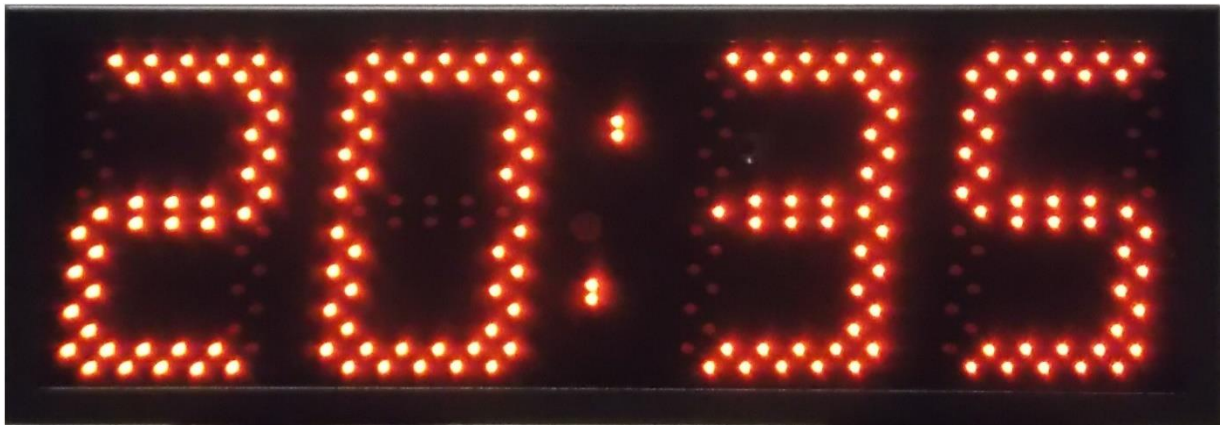
LED Clock with a built-in thermometer and GPS module



Power supply: 230 V / 35W 13,4V (12 ÷13.8V), solar set
Operating temperature: -20 to 50 [°C],
Mounting: fix it on the wall by two screws, or as requested
Size: 430 x 150 x 30 mm
Exact time: based on an independent internal clock, or GPS module
Setting: via Radio remote controller, we ship 2 remotes for each device.
Setting the luminosity: manual or automatic
Buttons on the remote control: A - Enter, B - Exit, C - Up (Plus), D - Down (Minus).
Setting: After pressing Enter on the remote control, "----" is displayed for two seconds. Then we get to the Menu. Use "C" and "D" to select the desired parameter and then press "Enter" and use "C" and "D" to set the individual parameter values. Confirm the value with "Enter". Exit the Menu with "Exit".

Setting menu

Parameter	Abbr	Range	Notes
Year	YE	0 ÷ 99	
Month	MO	1 ÷ 12	
Day	DA	1 ÷ 31	
Hour	HO	0 ÷ 23	
Minutes	MI	0 ÷ 59	
Brightness	LU	0 ÷ 9	min 0, max 9. manually controlling the brightness
Duration of showing time	TH	2 ÷50	In seconds
Duration of showing the month	TM	0 ÷ 50	Months not showing when set to 0
Duration of showing the temperature	Tº	0 ÷ 50	Temp. not showing when set to 0
Automatic brightness	AL	0 ÷ 1	0 - manual,1 - automatic
Temp. adjustment	Oo	-9 ÷ 9	Adjusts the temperature by this value

Wiring

Power cables		**Thermometer**		**RS485 (for connected clocks)**	
red: +V	+ 13,4V	green	-V (GND)	brown	RS485 - A
black: -V	GND	white	+3,3V	white	RS485 - B
		brown	TEMP (data)		

Showed temperature:

Example for RS485 connection for more clocks in net