

Indication modes:

1. **Normal.** Periodically changing *hour/minute*, *date/month*, *temperature* (if external DS18B20 connected or if enabled usage of internal DS3231 sensor (configuration parameter №1 equals 1). Change period (default 10 sec) set by configuration parameter №0. If key “+” pressed 2 sec or more, indicator shows current temperature with 0.1°C precision. If key “-” pressed 2 sec or more, indication shows current minute/seconds.



2. **Clock setup.** In this mode current *hour/minute*, *date/month* and *year* are set. To select parameter short press key “Set” on keyboard or “Menu left”/“Menu right” on remote control. Selected parameter starts blinking. To change value press keys “+”/“-” on keyboard or “Menu left”/“Menu right” on remote control. When no keys pressed more than 30 sec indication returns to normal mode. To correct time to nearest hour press simultaneously keys “+” and “-” on keyboard or leftmost key on remote control (fig.1).



3. **Indication of 4-digit number (price etc).** To switch to this mode press and hold key “Set” on keyboard or rightmost key on remote (“Menu” - fig.2). Digit selection – key “Set” on keyboard or “Menu left”/“Menu right” on remote, digit change - keys “+”/“-” on keyboard or “Menu up”/“Menu down” on remote, return to normal mode – long press of “Set” key or “Menu” on remote.



4. **Configuration edit.** Allows to change additional parameters. To switch to this mode simultaneously press keys “+” and “Set”, or central key on remote (fig.3). First digit shows parameter number (0..6), second-forth – its value. Parameter selection – key “Set” of keyboard or “Menu left”/“Menu right” on remote, value change - keys “+”/“-” on keyboard or “Menu up”/“Menu down” of remote, return to normal

mode – short pressing of keys “+” and “Set” or central key on remote.

Parameters list:

№	Name	Min	Max	Value	Units
0	Indication change period	1	999	10	sec
1	=1 to use DS3231 internal sensor	0	1	0	
2	Temperature correction	-9.9	9.9	0	0.1°C
3	=1 to autoswitch to winter/summer time	0	1	0	
4	Minimal value of brightness PWM	0	255	10	
5	Maximal value of brightness PWM	0	255	250	