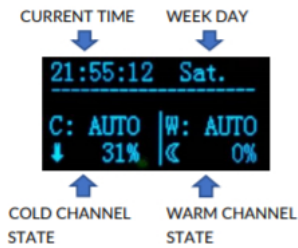# AQCT-2 TIMER controller

Product description

1. SKYLIGHT AQCT-2 – introduction

The AQCT-2 cotroller has been designed for adjusting colour and brightness of Skylight aquarium lamps: AQI, AQIR and HYPERSPOT series. It is addtitionally compatible with Skylight terrarium lamps: TINY, PR , PRI-50 and MID series in which It can be used for adjusting brightness. Daytime cycle including sunrise and sunset simulation can be programmed individually for each of he 2 channels. To allow for easier configuration with PR , PRI-50, AQI, AQIR and HYPERSPOT lamps channels has been named as W-warm and C-cold which fits their actual function

2. The controller main screen functionality.

CURRENT TIME WEEK DAY

COLD CHANNEL
STATE

WARM CHANNEL
STATE

3. Menu – navigation.

 select menu position, enter parameter change

 cancel - escape

 go up in the menu/ increase a parameter value

 go down in the menu/ decrease a parameter value

 emergency reset

4. Setting current time.

5. Information about the controller charging.

AQCT-2 has been equipped with a so called supercup, which – fully loaded will sustain the clock function for roughly 10 hours without the power supply. If the blackout lasts for a longer period of time – clock will need to be set once again.

6. Modes:

a) OFF

Output is off

b) MANUAL

Cold (C) and warm (W) channel brightness can be adjusted individually.

c) DEMO

DEMO mode has been prepared to quickly present the range of colour change for certain skylight lamp model. Sunrise and sunset sequence is performer in a loop.

d) AUTO

AUTO mode is the basic operation mode of the controller. It allows for sunrise and sunset simulation and setting a certain daytime and moonlight level.

7. Quick start with the use of factory defeault settings.

Depending on the lamp used (for planted or reef aquarium) prest day cycle for auto mode can be set. WARNING: only use this function for quick start as it will delete all user settings replacing them with factory setup.

8. Day and night cycle in the AUTO mode.

The AQCT-2 timer allows for setting a day cycle with 4 elements – night, sunrise, day, sunset. This can be set separately for each of the 2 channels (W-warm and C-cold). In the menu those 4 periods are labeled with following icons:

 sunrise

 day

 sunset

 night

9. Setting the sunrise sequency and the daytime brightness in the AUTO mode.

Sunrise sequence is set separately for each of the 2 channels. Below some example settings for the W-warm channel are presented with explenation:

- Sunrise start time
- Sunrise duration [minutes]
- Day brightness [0-100%]

10. Setting the sunset sequency and the daytime brightness in the AUTO mode.

Sunset sequence is set separately for each of the 2 channels. Below some example settings for the W-warm channel are presented with explanation:

- Sunset start time
- Sunset duration [minutes]
- Night brightness [0-100%]

11. Display sleep mode.

Due to display lifetime preservation the display will go into sleep mode after certain idle time. This time [S] can be adjusted:

SETTINGS->OLED, PWM

2. General technical parameters

CAUTION:

<u>Using an inappropriate power adapter, which does not fit the power supply range will result in the device damage!</u>

Model	AQCT-2
Dimension	100x80 mm
Power	96 W/channel
Voltage	12V DC
Channels	2