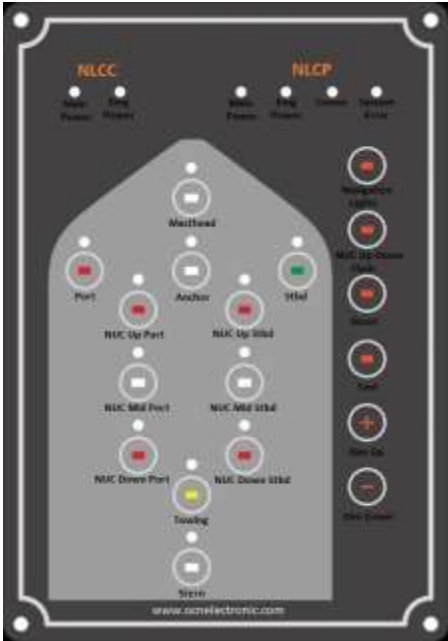


NLCP.V01 LED NAVIGATION LIGHT CONTROL PANEL USER MANUAL



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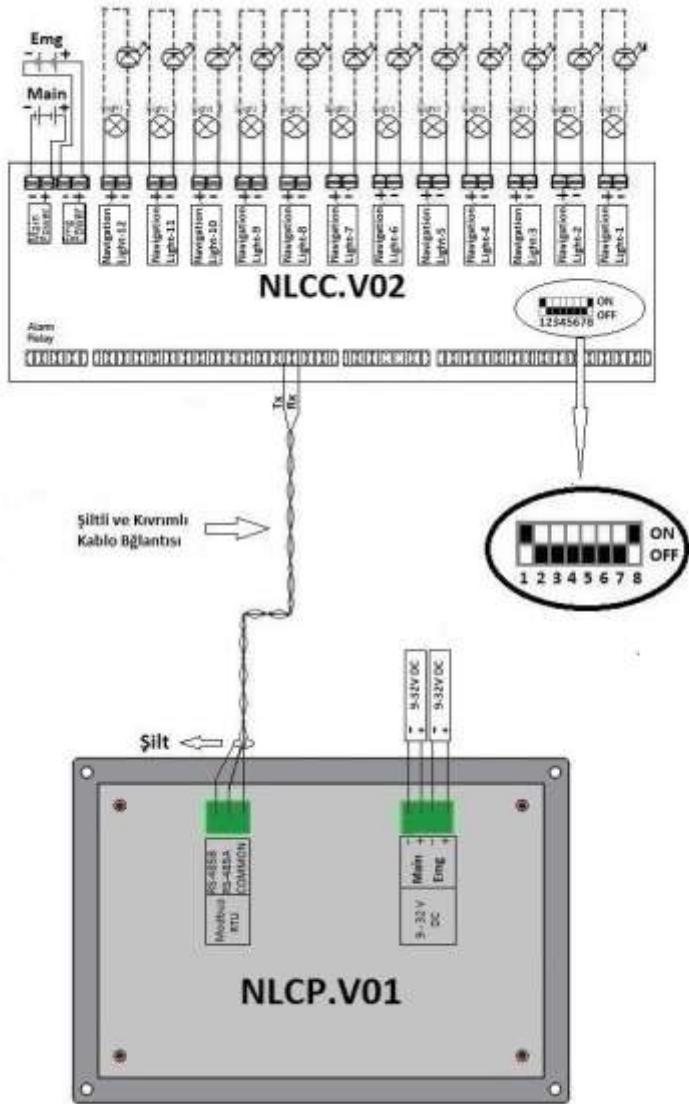
GENERAL FEATURES

- Ability to operate in the range of 9-32 V DC.
- Ability to control 12 independent led navigation lights.
- The alarm relay output is 5 A.
- Displays the status of the **Main** and **Emg** voltages of **NLCC V02** with led.
- “**Comm**” light turns on when communication with **NLCC.V02** is lost.
- The **System Error** light is on when the **NLCP** is faulty.
- When one of the lamp keys is pressed from the panel, the relevant lamp outputs via NLCC. If the lamp is not lit, the relevant led on the NLCP will be off, if there is an open circuit, it will flash slowly, if there is a short circuit, it will flash quickly.
- All leds and alarm relay output on **NLCP** can be tested with the test button.

SETUP

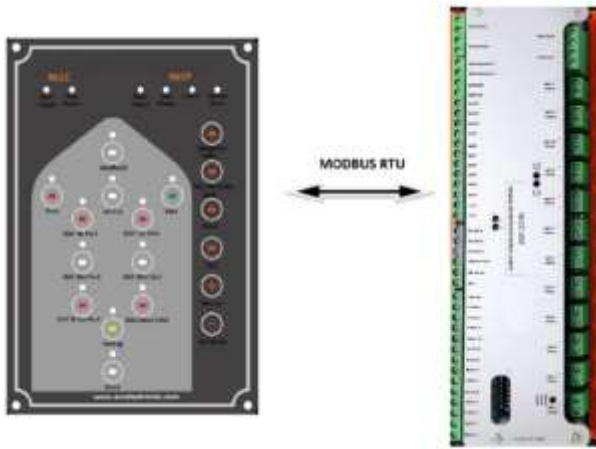
Attention: When connecting any communication cable to the device or changing the DIP Switch position, make sure that the power is disconnected.

1. Connect **NLCP's** Main and Emg power cables.
2. **Connect** the **Tx** end of **NLCP** to the **Tx** end of **NLCC V02** and the **Rx** end of **NLCP** to the **Rx** end of **NLCC V02**. (Cable length; maximum 30mt)
3. Set the DIP Switch on the **NLCC.V02** to the “**ON**” position of **pin 1** and **pin 8**.
4. Connect the terminal block outputs of the navigation light. If your navigation light is **LED**, please consider the polarity outputs “**+**”, “**-**”.
5. Connect the alarm voltage input of the **NLCP** to the **C** end in the Relay Output section, connect the alarm voltage output of the **NLCP** to the **NO** end if you want it to work when the alarm is active, connect it to the **NC** end if you want it to work when the alarm is passive.



Picture 1

REFLECTION OF NLCP BUTTONS TO NLCC



Picture 2

NLCP	NLCC V02
Masthead	Light-1
Port Light	Light-2
StbdLight	Light-3
Anchor	Light-4
NucUp Port	Light-5
NucUpStbd	Light-6
NucMid Port	Light-7
NucMid Stbd	Light-8
NucDown Port	Light-9
NucDownStbd	Light-10
Towing	Light-11
Stern	Light-12

TROUBLESHOOTING

Power Led Error:

- Cihazın enerji giriş bağlantısını kontrol ediniz.

Navigation Light(s) Error:

- Check the correctness of the energy connections of **NLCP** and **NLCC V02**.
- Check that the **Tx** and **Rx** terminals of the **NLCP** and **NLCC V02** are connected to the correct terminals.
- Check whether DIP Switch **1** and **8** on **NLCC V02** are in the "**ON**" position.

System Error:

- Contact the service.

STATUS LEDS ARE INTERMITTENTLY ON(OPEN CIRCUIT):

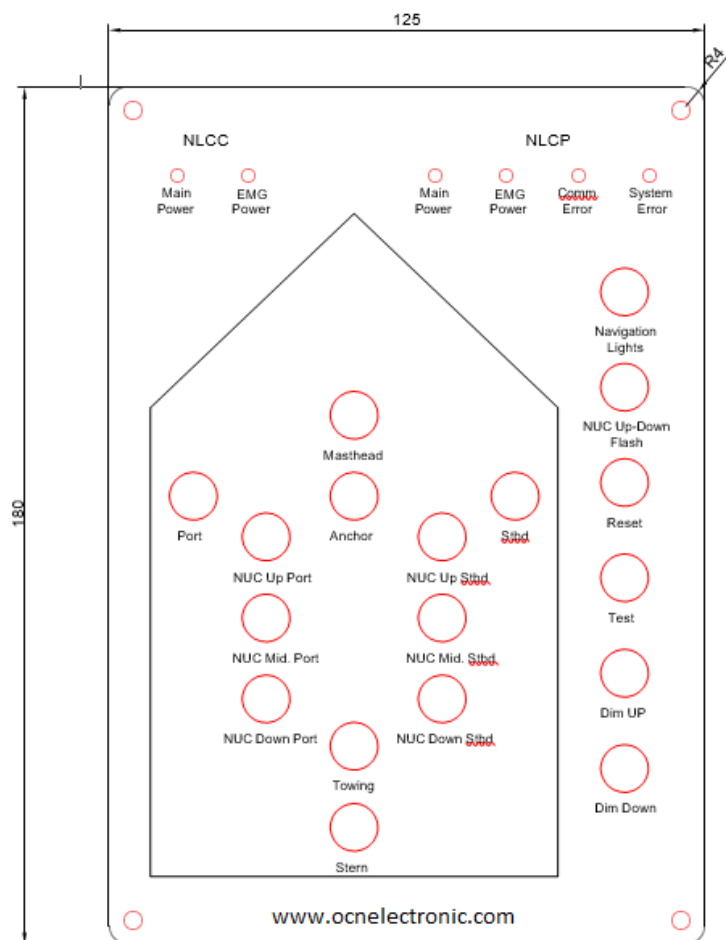
- The voltage is the same as the supply voltage, and the polarity is correct: The lantern lamp is open circuit or there is disconnection in the connecting wires.
- The voltage is lower than the supply voltage: Disconnect the lantern connection cable,if the voltage reaches the supply voltage, check the lantern lamp and the connection cable.If the voltage remains constant, direct the navigation lighthouse control card to the technical service.
- No voltage: Direct the navigation beacon control card to the technical service.

STATUS LEDS LIGHT UP AT FAST INTERVALS (SHORT CIRCUIT):

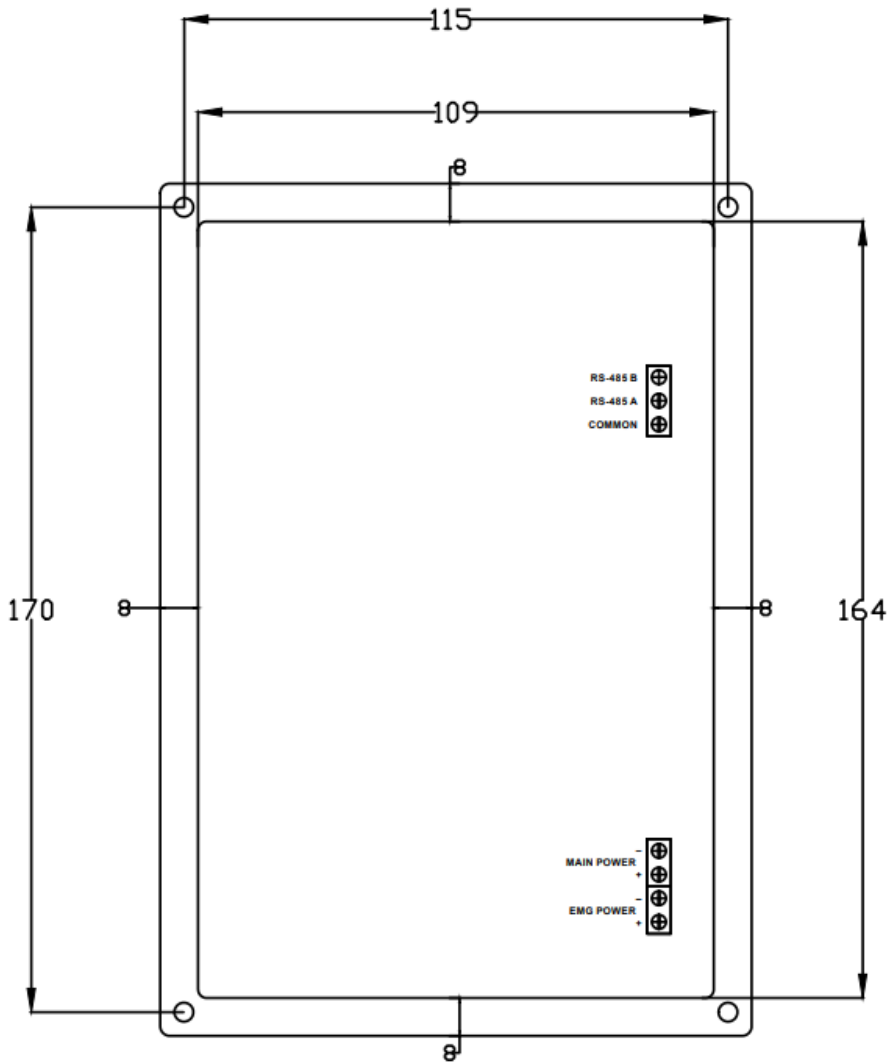
- Disconnect the relevant output connections on the navigation light control card. If the status led turns into slow intermittent light, there is a short circuit in the flashlight or connection cables. If there is no change in the status led, refer the navigation light control card to the technical service.

DIMENSIONS

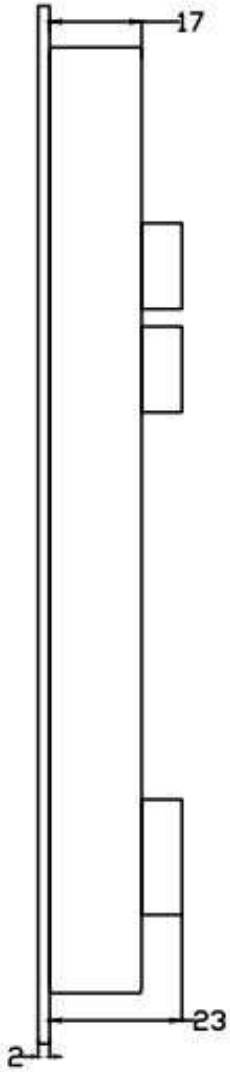
Top View:



Back view:



Side view:



Notes;

OCN ELEKTRONİK VE TİCARET A.Ş.

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