



# MOODY700GLC

## GREEN HOUSE LIGHTING CONTROLLER

M700GLC is a multi-function green house lighting controller system.

A 4.3inch touch screen makes the controller very easy to operate, all information is shown on the screen. The lights are controlled by 0-10V dimming interface.

A programmable dimming schedule is suited for green house lighting control.

Temperature and humidity conditions are sensed by external sensors.

Temperature control is achieved by dimming down the light once the environment temperature exceeds the preset threshold. The lights will dim-to-off when the temperature is too high.

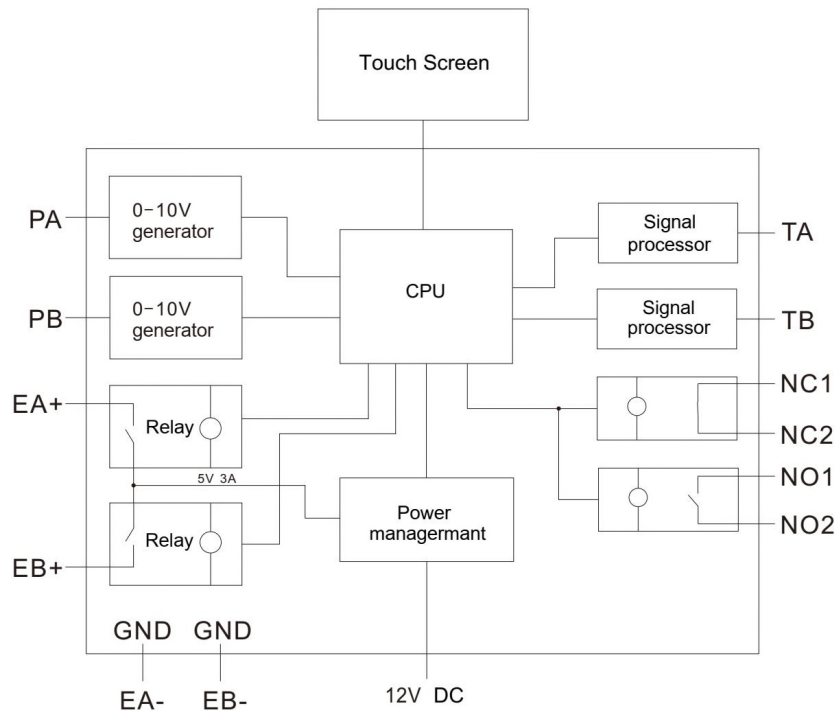
Four ports can allow to control external instruments such as CO2 source, watering unit, heater and so on.



### FEATURES

- 2 channels control
- Turn on and off all the lights
- Programmable 10 stages Timing dimming
- Programmable soft start
- Over temperature control and alert
- 4 extend control ports available

### BLOCK DIAGRAM



### MOODY BY DESIGN, INC.



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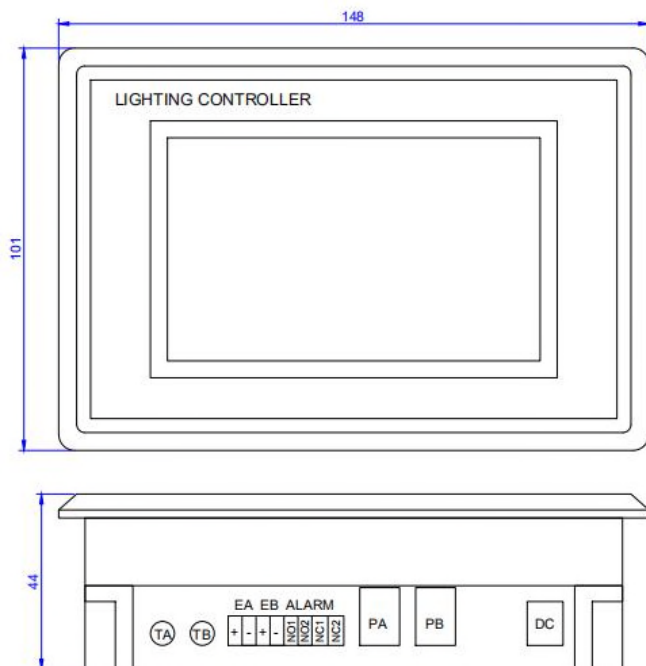
## PIN CONFIGURATION

Name	Type	Functions
DC	Input	Power supply of the controller
PA	Source or Sink	0-10V dimming control port, channel A
PB	Source or Sink	0-10V dimming control port, channel B
NC1	Relay switch	Relay switch, disconnect with NC2 when over temperature occurs
NC2	Relay switch	Relay switch, disconnect with NC1 when over temperature occurs
NO1	Relay switch	Relay switch, connect with NO2 when over temperature occurs
NO2	Relay switch	Relay switch, connect with NO1 when over temperature occurs
EA+	Relay switch	Relay switch A pin1
EA-	Relay switch	Relay switch A pin2
EB+	Relay switch	Relay switch B pin1
EB-	Relay switch	Relay switch B pin2
TA	Input	Temperature and Humidity sensor input, channel A
TB	Input	Temperature and Humidity sensor input, channel B

## Relay function table

SET&STATUS	EA+/EB+	STATUS	NO1-NO2	NC1-NC2
Day&Light ON	5V	Normal	OPEN	SHORT
Day&Light OFF	0V	Off Temperature	SHORT	OPEN
Night&Light ON	0V			
Night&Light OFF	5V			

## MECHANICAL SPECIFICATION



## GENERAL INFORMATION

<b>Power supply</b>	12Vdc adapter, 2A minimum
<b>0-10V source capability</b>	10mA maximum
<b>0-10V sink capability</b>	200mA
<b>NC/NO Relay load capability</b>	10A maximum
<b>EA+ source capability</b>	5V,3A
<b>EB+ source capability</b>	5V,3A
<b>Operational temperature</b>	-25-+70°C

## PACKAGING INFORMATION

<b>Weight:</b>	343g
<b>Quantity:</b>	1pcs/pack

## MOODY BY DESIGN, INC.

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