Master Pro Control System
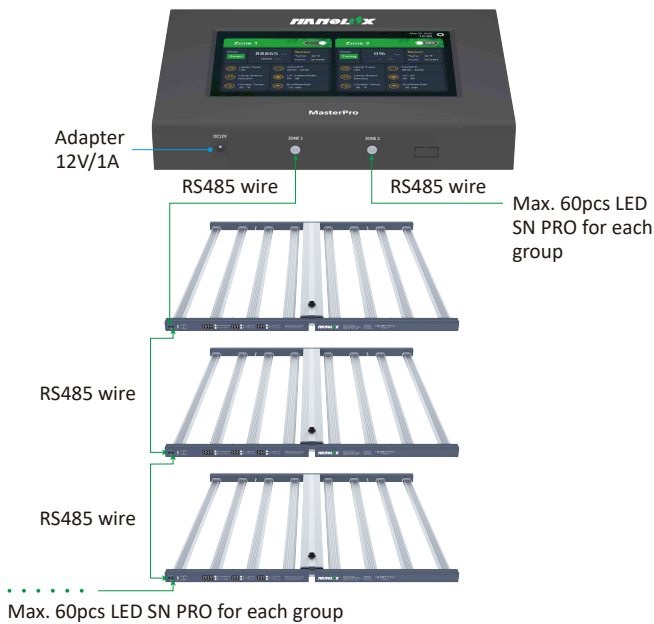
✓ **Output will be automatically adjusted according to the set time period, targeted lighting intensity and lighting intensity collected by sensor.**

✓ **Over-temperature protection function, when the detected temperature of environment exceeds the seting value, the output of light will be off until the temperature recovers.**
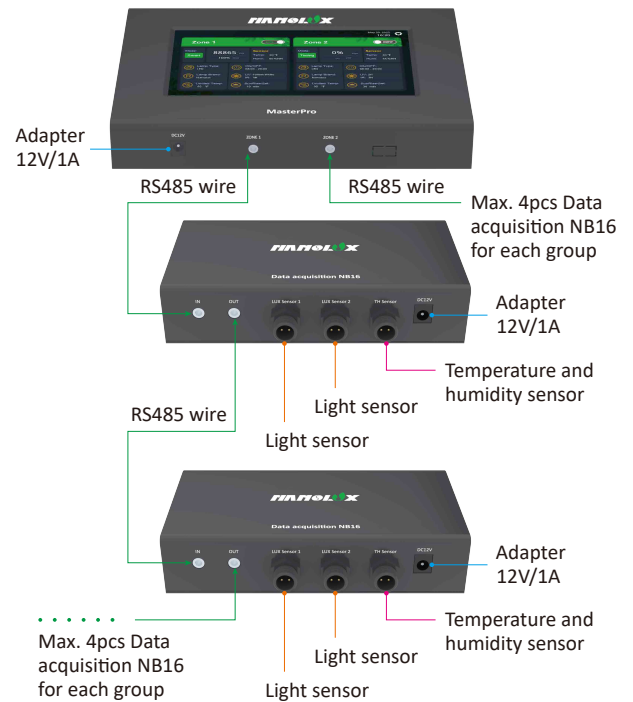
Connection Instructions

Note: Please secure the end of the RS485 wire before connecting to avoid the plug of the RS485 wire coming off the device.

1. Connecting MasterPro to LED SN PRO

Adapter 12V/1A

RS485 wire   RS485 wire

Max. 60pcs LED SN PRO for each group

RS485 wire

RS485 wire

Max. 60pcs LED SN PRO for each group

2. Connecting MasterPro to Data acquisition NB16

Adapter 12V/1A

RS485 wire   RS485 wire

Max. 4pcs Data acquisition NB16 for each group

Adapter 12V/1A

Temperature and humidity sensor

Light sensor

Light sensor

RS485 wire

Adapter 12V/1A

Temperature and humidity sensor

Max. 4pcs Data acquisition NB16 for each group

Light sensor

Light sensor

Master Pro Control System

3. Connecting MasterPro to Adapter NB15
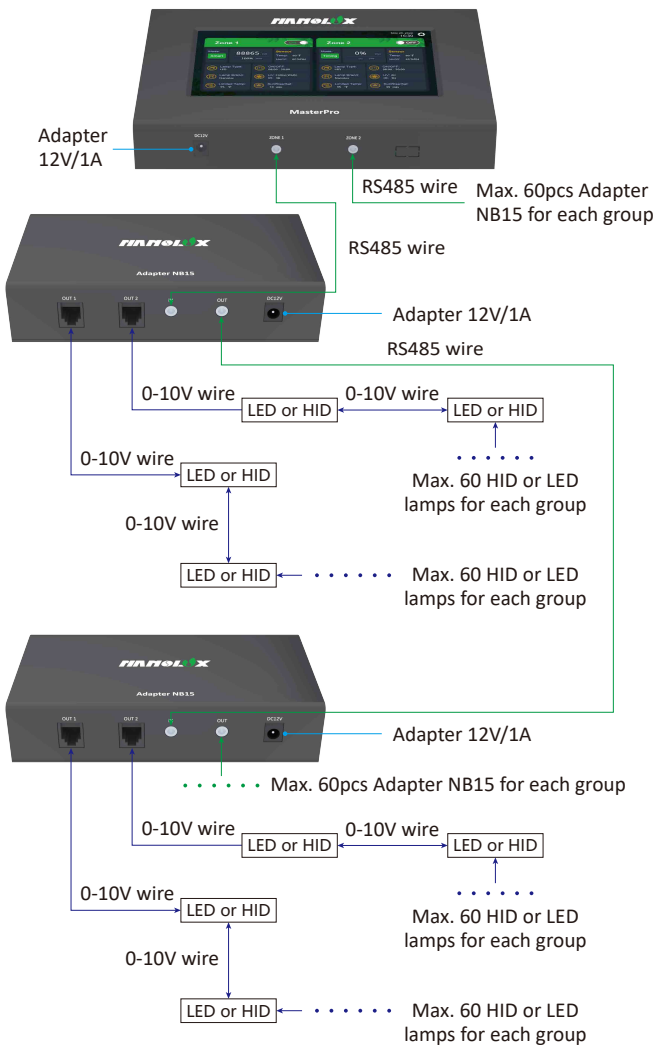
Adapter 12V/1A

RS485 wire — Max. 60pcs Adapter NB15 for each group

RS485 wire

Adapter 12V/1A

RS485 wire

0-10V wire — 0-10V wire

LED or HID — LED or HID

0-10V wire

LED or HID

0-10V wire

······ Max. 60 HID or LED lamps for each group

LED or HID — ······ Max. 60 HID or LED lamps for each group

Adapter 12V/1A

······ Max. 60pcs Adapter NB15 for each group

0-10V wire — 0-10V wire

LED or HID — LED or HID

0-10V wire — ······

LED or HID — Max. 60 HID or LED lamps for each group

0-10V wire

LED or HID — ······ Max. 60 HID or LED lamps for each group

Note: Because HID and LED lamps have separate control modes, each group cannot control both HID and LED lamps at the same time, implying that, two types of lamps cannot be installed in one group.

4. Connecting MasterPro to LED SN PRO & Adapter NB15 & Data acquisition NB16
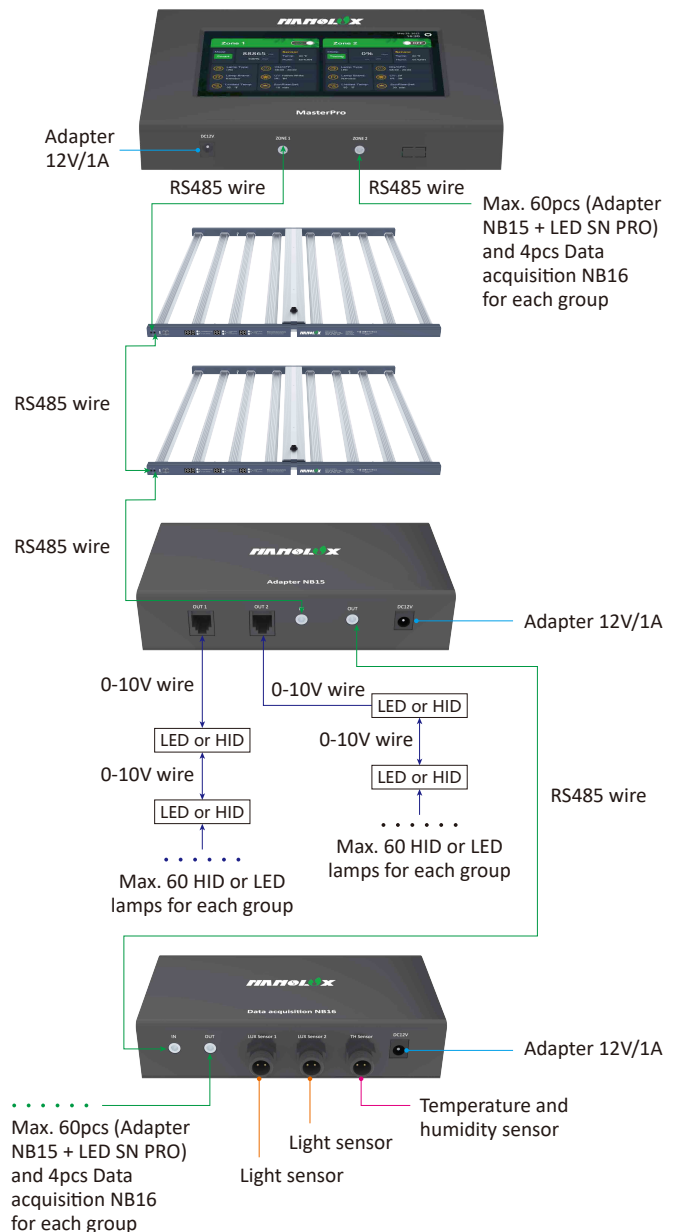
Adapter 12V/1A

RS485 wire — RS485 wire

Max. 60pcs (Adapter NB15 + LED SN PRO) and 4pcs Data acquisition NB16 for each group

RS485 wire

RS485 wire

Adapter NB15 — Adapter 12V/1A

0-10V wire — 0-10V wire

LED or HID — 0-10V wire

LED or HID — LED or HID

0-10V wire — RS485 wire

LED or HID — ······

······ Max. 60 HID or LED lamps for each group

Max. 60 HID or LED lamps for each group

Data acquisition NB16 — Adapter 12V/1A

······ — Temperature and humidity sensor

Max. 60pcs (Adapter NB15 + LED SN PRO) and 4pcs Data acquisition NB16 for each group

Light sensor

Light sensor

Note: Because HID and LED lamps have separate control modes, each group cannot control both HID and LED lamps at the same time, implying that, two types of lamps cannot be installed in one group.

Master Pro

Specifications

Product Model	Master Pro
Product code	80.03.0482
Product Dimension	222x162x32MM
Power Adaptor	100-240Vac 12V/1A Power Adaptor
Display Screen	7 inch display screen, Resolution Ratio1024×600
Main Body Material	Aluminum Alloy
Main Appearance Colour	Black
Product Net Weight	0.8KG
Product Gross Weight	2.5KG
Protection Degree	IP54
Input Voltage	12V
Input Current	1A
Control Output	2-way RS485 Communication Interface
Average Lifespan	20000H
Warranty Period	2 Years
Working Temperature (℃)	-20℃ ~40℃
Working Humidity	0-90%
Storage Temperature(℃)	-20℃ ~60℃
Insulation Class	Class Ⅰ
Installation Method	Hanging-type
Outer Carton Dimension(mm)	245x175x150mm
Packing Style	Ordinary Carton Packing
Packing Quantity	1set/Carton
Others	Packed with collector
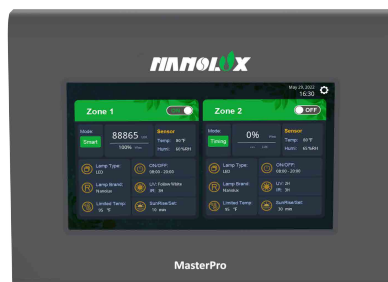
Adapter NB15

Specifications

Product Model	Adapter NB15
Product code	80.03.0483
Product Dimension	155x85x34mm
Power Adaptor	100-240Vac 12V/1A Power Adaptor
Main Body Material	Aluminum Alloy
Main Appearance Colour	Black
Product Net Weight	0.25KG
Product Gross Weight	1.1KG
Protection Degree	IP54
Input Voltage	12V
Input Current	1A
Main Controller Option:Nanolux,Output Voltage	OFF：1V, LED：2～10V； HID：5～11V
Main Controller Option:Other,Output Voltage	OFF：0V , LED：2～10V； HID：5～11V
Average Lifespan	20000H
Warranty Period	2 Years
Working Temperature (℃)	-20℃~40℃
Working Humidity	0-90%
Storage Temperature(℃)	-20℃~60℃
Insulation Class	Class Ⅰ
Installation Method	Hanging-type
Outer Carton Dimension(mm)	250x100x105mm
Packing Style	Ordinary Carton Packing
Packing Quantity	1PC/Carton
Others	Must be used with MasterPro

Data acquisition NB16

Specifications

Product Model	Data acquisition NB16
Product code	80.03.0484
Product Dimension	155x97x34mm
Power Adaptor	100-240Vac 12V/1A Power Adaptor
Main Body Material	Aluminum Alloy
Main Appearance Colour	Black
Product Net Weight	0.3KG
Protection Degree	IP54
Input Voltage	12V
Input Current	1A
Number of Sensor Interface	2 light sensor interfaces + 1 temperature and humidity sensor interface
Light Sensor	Measuring light range: 0~200000Lux, the maximum allowable error of light is ±7%, repeatability test error: ±5%
Temperature and Humidity Sensor	Test temperature range: -20°C~120°C, accuracy:1°C; measurement humidity range: 5%RH~90%RH, humidity accuracy: 5%
Average Lifespan	20000H
Warranty Period	2 Years
Working Temperature (℃)	-20℃ ~40℃
Working Humidity	0-90%
Storage Temperature(℃)	-20℃ ~60℃
Insulation Class	Class Ⅰ
Installation Method	Hanging-type
Outer Carton Dimension(mm)	250x100x105mm
Packing Style	Ordinary Carton Packing
Packing Quantity	1PC/Carton
Others	Comes standard with 1 light sensor and 1 temperature and humidity sensor, packed together with MasterPro