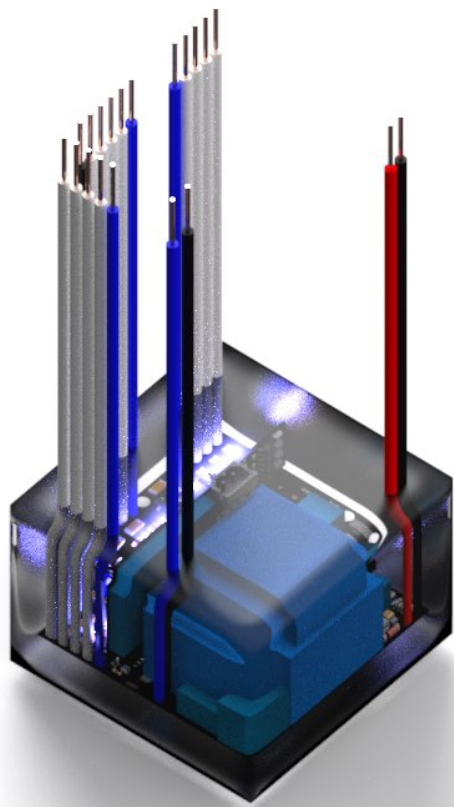


PLH

Aria Jellyfish
A.JF



PLH Aria Jellyfish

cod. A.JF

Bluetooth controllable, Casambi enabled, 4 input 4 output interface, with feedback led and multivoltage power supply. It can be connected, only by qualified professionals. Can be controlled via PLH Aria keypads, and with Casambi app available for iOS (iPhone 4S or later, iPad 3 or later, iPod Touch 5th gen or later) and Android devices (Android 4.4 KitKat or later devices produced after 2013 with full Bluetooth 4.0 support).

Drawings and measures

Technical specifications

Electrical input specs

Voltage range and frequency AC | DC: 90 - 250V (0,5 VA) | 12-30V DC (1W)

Input

Dry contact 4 NO to ground and pass through

Output

Transistor 4 (100mA and 30V DC max); open-collector to ground; control of inductive load allowed (with relays)

Feedback

Led white (output) and blue (input) on board

Radio transceiver

Maximum output power: 2,4...2,483 Ghz +4 dBm

Ambient temperature, ta: -20...+45 °C

Max. case temperature, tc: +65 °C

Max. relative humidity: 0...80%, non-cond.

Range (depending on the surroundings) up to 15 m

Wiring

Wire range, solid & stranded: interface si provided with precutted 5 cm wires 0,5 mm² 16 AWG

Mechanical data

Dimensions: 50,0 x 50,0 x 40,0 mm

Weight: 50 g

Degree of protection: IP67

Firmware:

5081 Output: 4 Switch (relais bistable) - 0 Push button (relais monostable)
Input: 4 dry contact

5082 Output: 3 Switch (relais bistable) - 1 Push button (relais monostable)
Input: 4 dry contact

5083 Output: 2 Switch (relais bistable) - 2 Push button (relais monostable)
Input: 4 dry contact

5084 Output: 1 Switch (relais bistable) - 3 Push button (relais monostable)
Input: 4 dry contact

5085 Output: 0 Switch (relais bistable) - 4 Push button (relais monostable)
Input: 4 dry contact

5975 Output: 4 Pwm Input: 4 dry contact

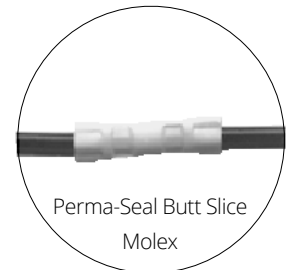
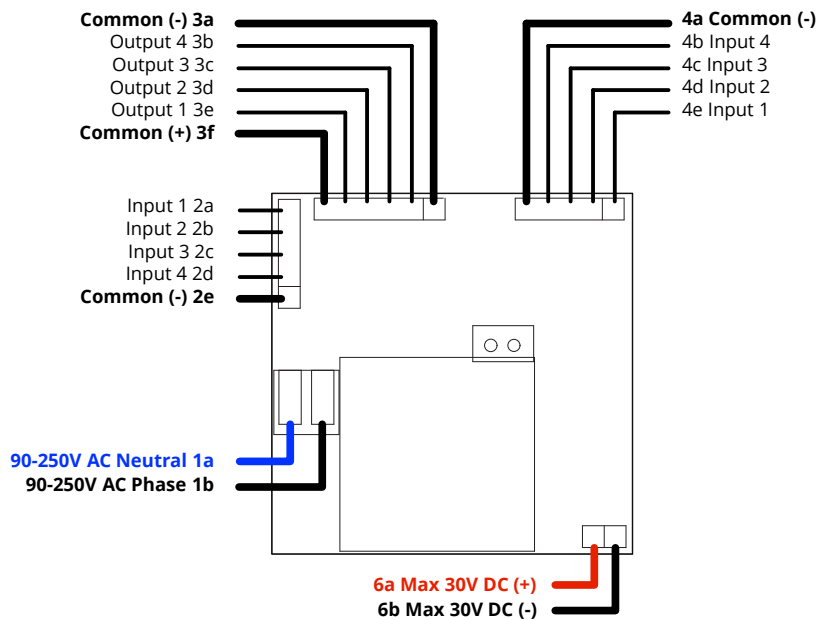
Installation

Make sure that the mains voltage is switched off when making any connections. Use right connectors or seal butt slice to join the jellyfish interface to the electric wires of the plant..

If you install the interface into a heat sensitive environment (i.e. inside a luminaire or in a ceiling outlet box above a luminaire), make sure that the ambient temperature does not exceed the specified maximum value.

Wiring

Insulate the not used wires. Use the right connectors for the connections, not included, like Perma-Seal Butt Slice (Molex 19164-0013) or Wago 221, 243 or 2273 series.



Warning!



Hazardous voltages. Risk of electric shock or fire. Only qualified professionals should make the connections in accordance with the local regulations and rules. Disconnect the mains power supply and verify its absence prior to installation.

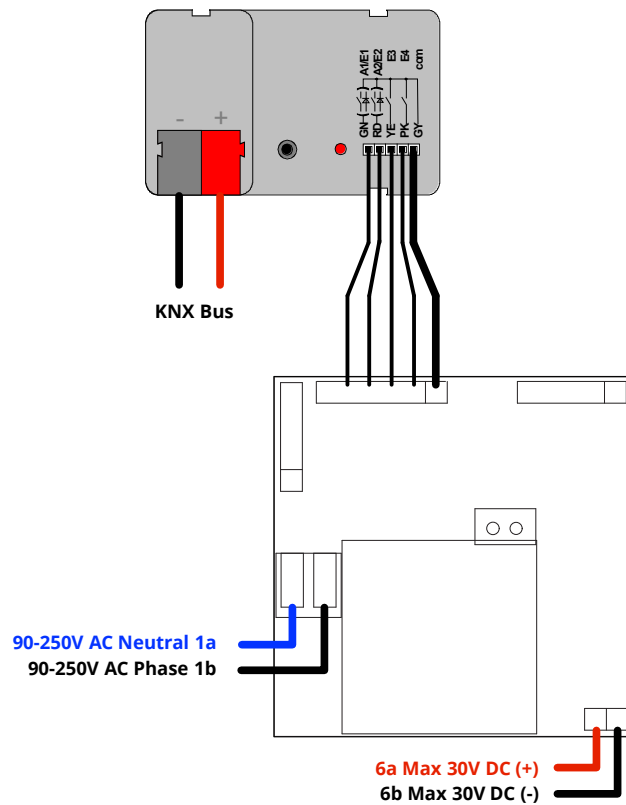
Example 1: connection with BUS dry contact interface Gira 1119 00 Konnex interface

In this solution you can control directly, using a PLH Aria keypad or a smartphone, a **KNX bus system** via a bus dry contact interface. Power supply need to be granted (230V AC or maximum 30V DC using the right wires)

Refer to Gira Interface specification document for any further information

<http://download.gira.com/data3/11193290.pdf>

Firmware 5085 PLH Jellyfish



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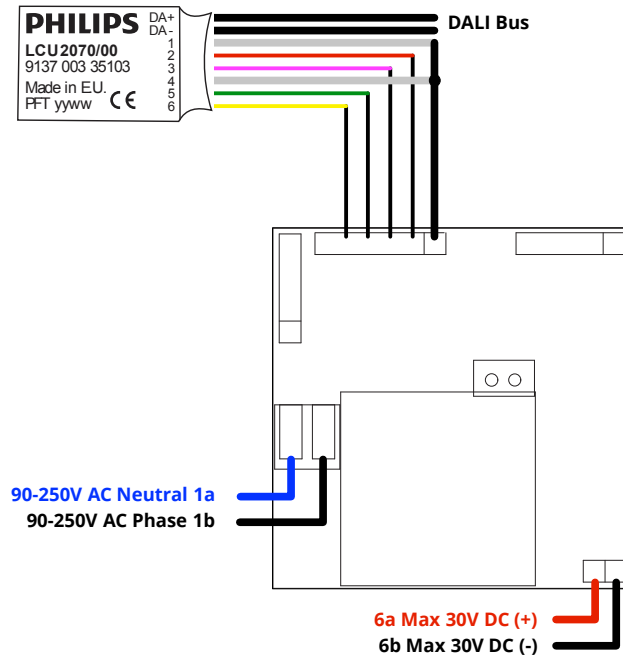
Example 2: connection with BUS dry contact interface Philips LCU2070 DALI interface


In this solution you can control directly, using a PLH Aria keypad or a smartphone, a **Dali bus system** via a bus dry contact interface. Power supply need to be granted (230V AC or maximum 30V DC using the right wires)


Refer to Philips Interface specification document for any further information

<http://www.assets.lighting.philips.com/is/content/PhilipsLighting/a7f5741c4ff54b2c90e4a68f00b8c881>

Firmware 5085 PLH Jellyfish







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 Hazardous voltages. Risk of electric shock or fire. Only qualified professionals should make the connections in accordance with the local regulations and rules. Disconnect the mains power supply and verify its absence prior to installation.

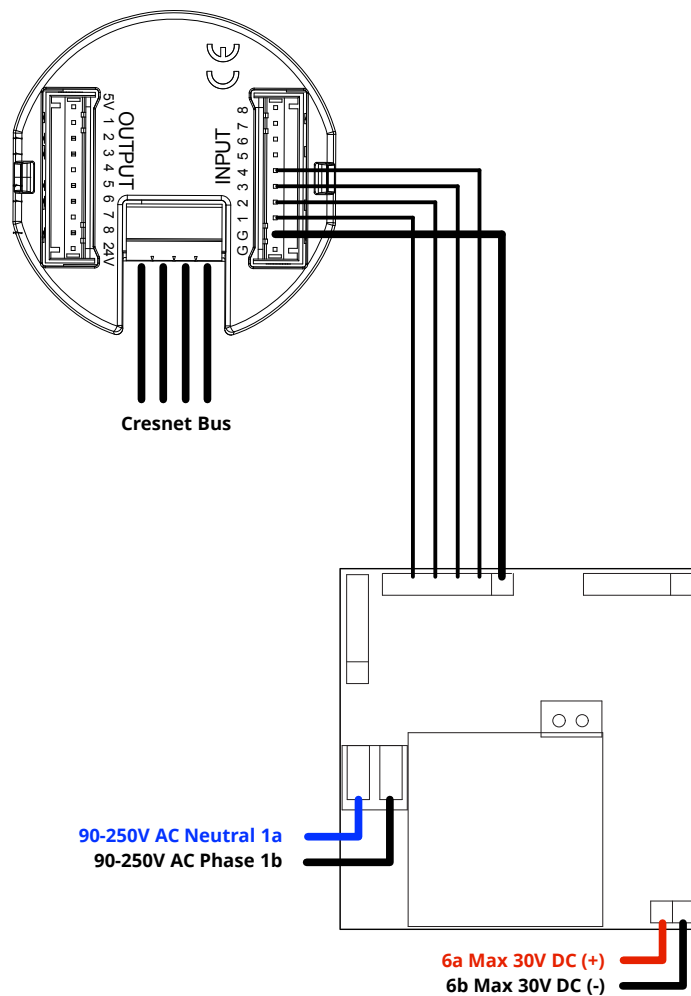
Example 3: connection with BUS dry contact interface C2N-UNI8IO Crestron interface


In this solution you can control directly, using a PLH Aria keypad or a smartphone, a **Cresnet bus system** via a dry contact interface. Power supply need to be granted (230V AC or maximum 30V DC using the right wires)

Refer to Crestron Interface specification document for any further information


https://www.crestron.com/getmedia/41ce847e-5535-492f-a1df-298812b77537/ss_c2n-uni8io_1

Firmware 5085 PLH Jellyfish





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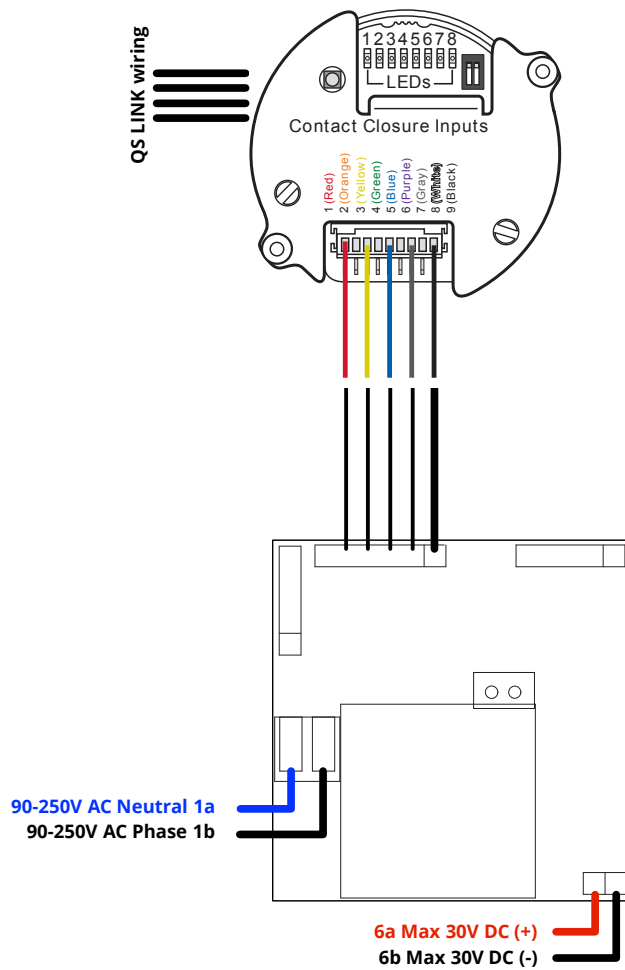
Example 4: connection with BUS dry contact interface QSE-CI-WCI Lutron interface


In this solution you can control directly, using a PLH Aria keypad or a smartphone, a **Lutron bus system** via a dry contact interface. Power supply need to be granted (230V AC or maximum 30V DC using the right wires)


Refer to Lutron Interface specification document for any further information

<http://www.lutron.com/TechnicalDocumentLibrary/369681a.pdf>

Firmware 5085 PLH Jellyfish



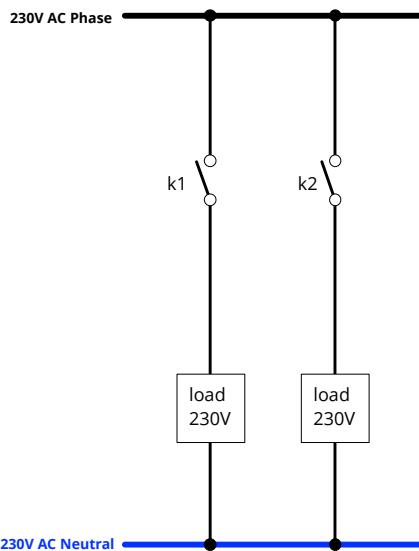
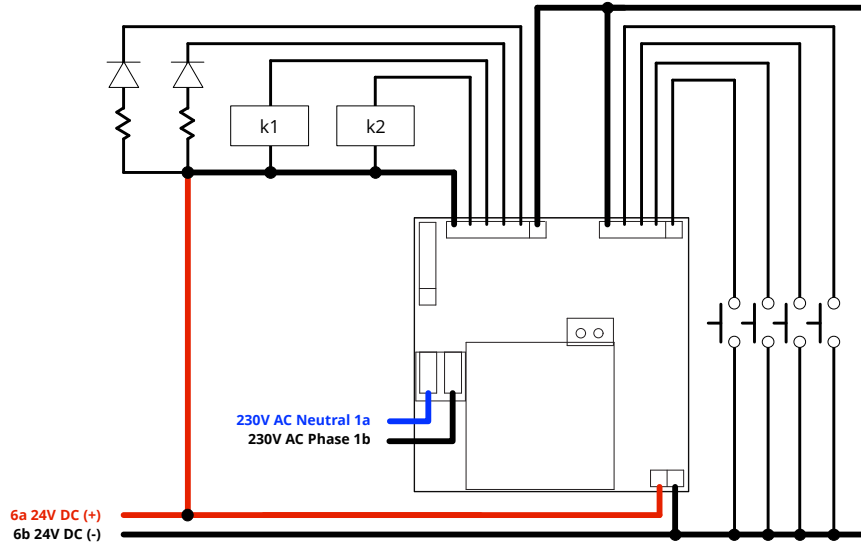






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Example 5: connection with relays bistable

In this solution you can control directly, using a PLH Aria keypad or a smartphone or a local normally open push buttons (4 in this scheme), **relays** with coil in extra low tension and contact in 230V (for example Finder 46 series) and **24 V leds**. Power supply need to be granted (230V AC or maximum 30V DC using the right wires)
Firmware 5083





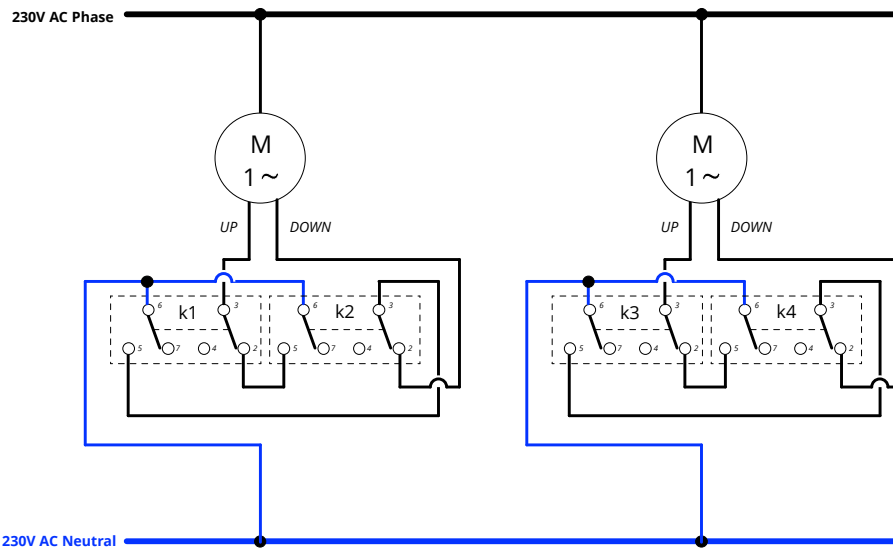
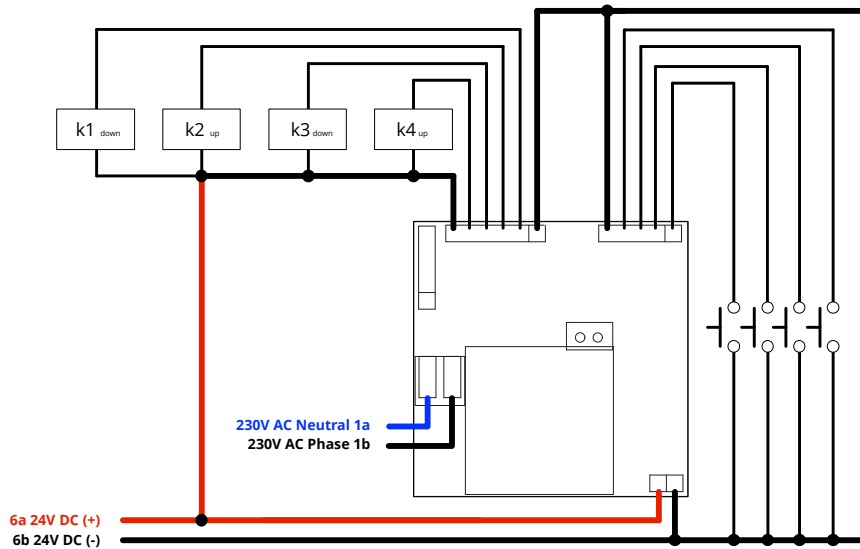



Warning!
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Example 6: control of curtains

In this solution you can control 2 curtain in 230V AC directly, using a PLH Aria keypad or a smartphone or a local normally open push buttons (4 in this scheme), relays with mechanical interlock with coil in extra low tension and contact in 230V. Power supply need to be granted (230V AC or maximum 30V DC using the right wires)

Firmware 5085







Warning!
 Hazardous voltages. Risk of electric shock or fire. Only qualified professionals should make the connections in accordance with the local regulations and rules. Disconnect the mains power supply and verify its absence prior to installation.

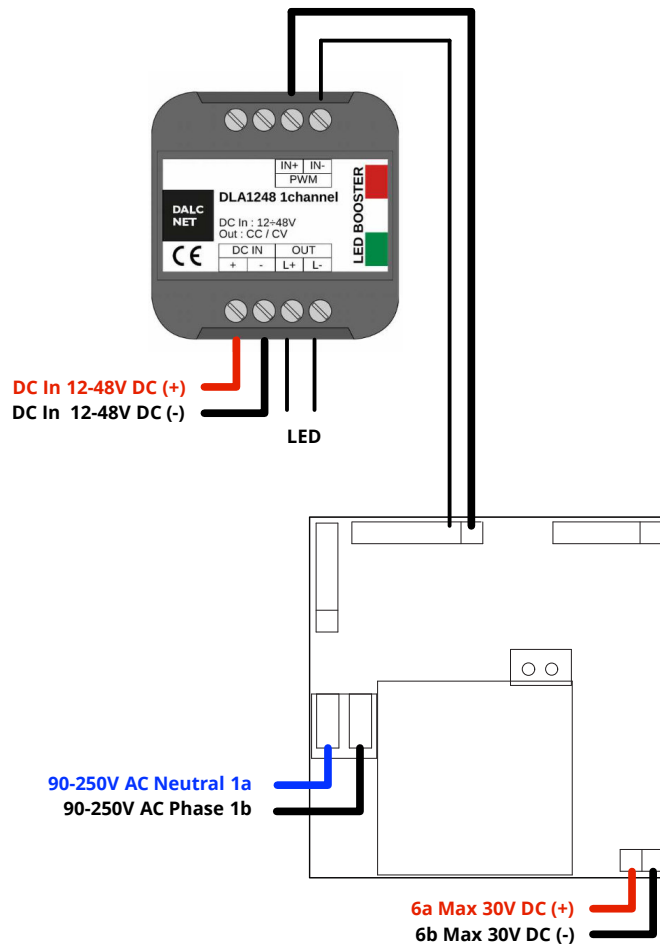
Example7: control of single channel D-PWM ballast

In this solution you can control, using a PLH Aria keypad or a smartphone, a **PWM dimmer led**. Power supply need to be granted (230V AC or maximum 30V DC using the right wires)

Refer to Dalcnet specification document for any further information

http://www.dalcnet.com/wp-content/uploads/DLA1248_1CH_ita.pdf

Firmware 5975 PLH Jellyfish



Warning!



Hazardous voltages. Risk of electric shock or fire. Only qualified professionals should make the connections in accordance with the local regulations and rules. Disconnect the mains power supply and verify its absence prior to installation.

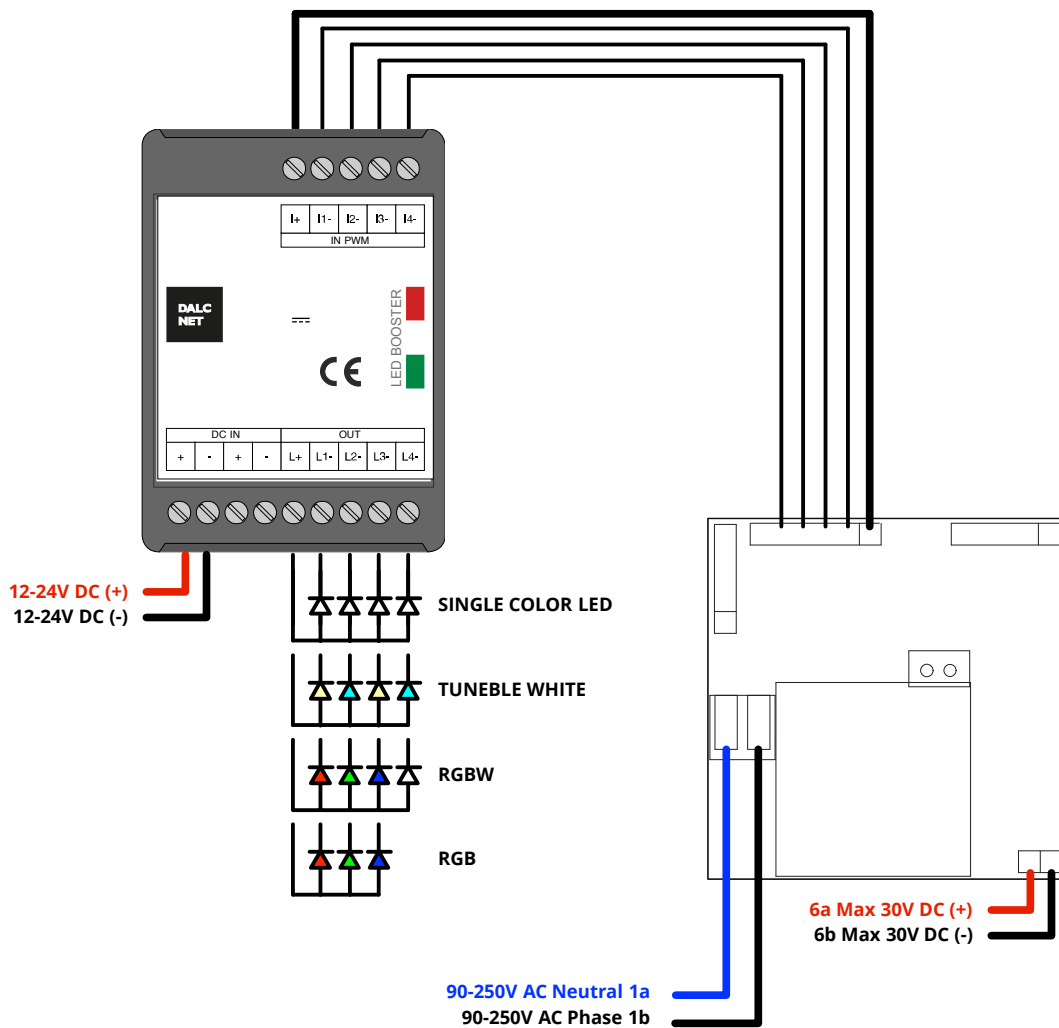
Example8: control of multi channel D-PWM ballast

In this solution you can control, using a PLH Aria keypad or a smartphone, a PWM multi dimmer led. Power supply need to be granted (230V AC or maximum 30V DC using the right wires)

Refer to Dalcnet specification document for any further information

http://www.dalcnet.com/wp-content/uploads/DLA1224_4CH_ita.pdf

Firmware 5975 PLH Jellyfish



Warning!

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