



## SimpleLink Hybrid-Relay (DALI)

0A141RA3

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### Features

- AC 100...240V, 50...60Hz input.
- Zero-V Turn On, Single Relay or Signal Mode
- Hybrid Relay, Anti Inrush Current
- SSR and Power Reed Relays included.
- Max 16A Resistive Load
- 0~10V / 1~10V analog and 10V PWM Output, Support Igniter Mode
- DALI-2 IEC 62386 Compliant
- Global safety compliant, suitable for home and office.



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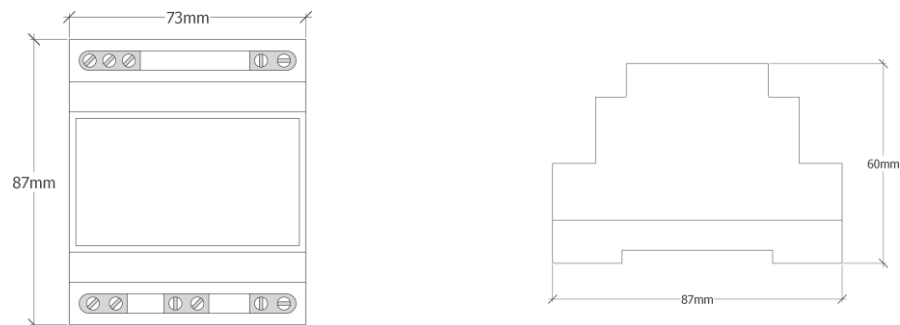


## 2. Specification

### Technical Data

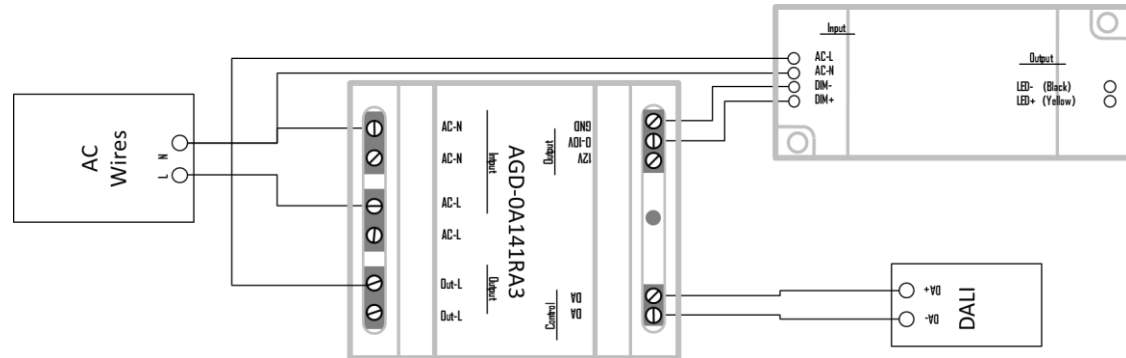
Model		AGD-0A141RA3
Output	Signal Type	0-10V PWM
	Signal I	40mA
	Relay 1	Reed Relay 30A, Contact material AgSnO
	Relay 2	SSR 600V, 16A normal, 160A start
	Load	Max 16A with Anti-Inrush Current
Input	Voltage	100...240V AC, 50...60 Hz
	Leakage	< 0.75mA
	Standby W	< 1W
Protection	Short	Programmable overload protection
	Open	Programmable open detection, including analog port
	Load detect	With an external current sensor
Operating Environment	Temperature	-30...+40°C
	Humidity	20...95%
	Storage	-40...80 °C 10...95%
Dimming	DALI	DALI-2 IEC 62386-102
	Dimming Mode	0-10V + Relay

### Dimension



## 3. Installation

### Wiring and circuit diagram



- No Polarity of the relay channel.
- 16A slow fuse and 16A thermal fuse are installed.
- Never exceed its max current and voltage. For better inrush current protection, half load (8A) is recommended.

### Hot plug-in

Hot plug-in is not recommended. Installation, wiring and repairing must be done with main power source is off.

### Usage and install

Caring is needed while installation. Two types of relays are included: SSR and power reed relay. SSR relay may hold the max inrush current up to 160A for one AC cycle. Short circuit to the output may irreversibly damage to SSR. NEVER use short circuit methods to test wiring correctness.

This product can be configured to use SSR or power relay only, or both to reduce turn-on inrush current.

## 4. Others

### Warning / Caution !!

- Risk of electrical shock and energy hazard. All failure should be examined by a qualified technician. Please do not remove the case of the device by yourself!
- The openings should be protected from foreign objects or dripping liquids.
- Never exceed the rated input and output voltage and current on the specifications.
- If the cases or terminal connector of this device is damaged, it shall be exclusively replaced by the manufacturer or his service agent or a similar qualified person in order to avoid a hazard.
- The DALI is designed as FELV circuit, its terminal shall connect to FELV circuit. Connecting to SELV will lower its isolation level to FELV.