

TROUBLESHOOTING

1. Is power on? Turn off, wait 10 seconds, then turn on again.
2. Check load by connecting it directly to power.
3. Has timer timed out? Close doors and reopen. Check timer settings.
4. Is magnet missing from door? Check with metallic object.
5. Are the reed sensors connected to the two RHS pins per Sensor Input?
6. Is there a reed sensor or a jumper connected to all inputs for the channel you are using?
7. Remove all reed sensors and replace with jumpers. Load should be off. Remove jumper and load should come on.
8. Is the correct channel selected?
9. Phone or email for technical support. Website: www.lightdream.com.au

SPECIFICATIONS	LD2000-A
Power in / Power out	220-240VAC 50Hz
Power out connections	2
Channels	1 or 2 (select)
Maximum Total Load	500W
Internal fuse	2A
Switching Method	Solid-state
Sensor inputs	4
Sensor Pins	GND, Input, 5V
Timer settings (8)	10, 30, 60 sec. 5, 15, 30, 60 min infinity
Dimensions (Enclosure)	L: 153mm W: 56mm H: 35mm
COMPLIANCE	
EMC Approval Number	AS/NZS CISPR14.1:2010 N30265
Electrical Safety	AS/NZS 61558; AS/NZS 3820:2009
Flammability (Enclosure)	ABS AF312C-NP 94VO

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AC SENSOR SWITCH LD2000-A

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OVERVIEW

The **LD2000-A** is an electronic switch for the control of mains power to one or two individual loads.

The unit is equipped with:

- Four sensor input connectors
- Four DIP switches
- Mains power-in connectors
- Two pairs of mains power-out connectors.

Operation

The LD2000-A is primarily designed for automatic lighting in cabinets when a door is opened. Reed switches are installed in joinery carcasses and a magnet is placed in the door.

When the reed switch is in the presence of a magnetic field the reed sensor contacts are closed.

Timing

The three RHS DIP switches are used for timing. Eight timer settings provide a range from 10 seconds through to 1 hour then infinity.

When the timer times out the lighting switches off. The timer is reset by closing all of the cabinet's doors.

Sensor Connectors

Each sensor connector has 0V, 5V and an input pin. The reed sensor is connected between 0V and Input.



Channels

The LHS DIP switch is used to select one or two output channels. Two channel configuration will allow for two individual loads to be controlled.

When configured as a two channel device sensor inputs 1 & 2 control Load A and sensor inputs 3 & 4 control Load B.

When configured as a single channel device sensor inputs 1 - 4 control Load A only.

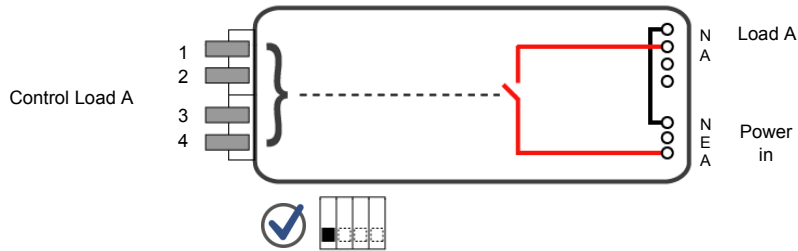
Output Power

Switching is solid-state with a maximum total load of 500W.

Typical Loads

Lighting: LED drivers, incandescent, fluorescent, electronic and iron core transformers. Motors, relays, solenoids and fans.

Single Channel Configuration

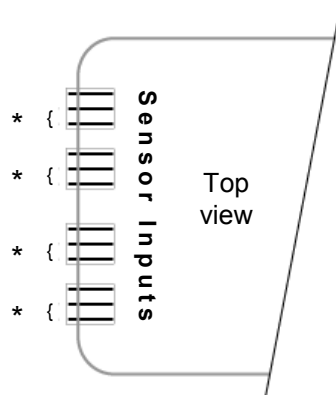


Installation

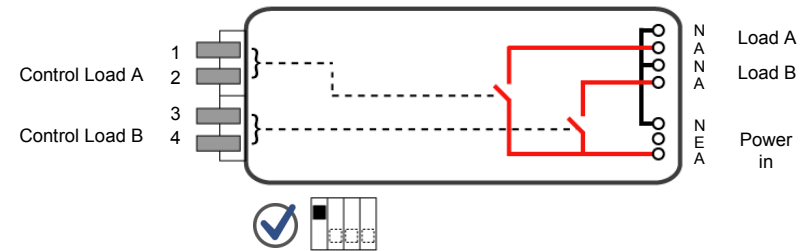
1. Connect power to AEN.
2. Connect load to Load A.
3. Push LHS DIP switch down for single channel.
4. Remove jumper on Sensor Input 1 and connect the first reed sensor to the two marked RHS pins.
5. Repeat for additional reed sensors using Sensor Inputs 2, 3 & 4.
- 6. Important: Jumpers must remain on any unused Sensor Inputs.**
7. Set time delay using the three RHS DIP switches.

Ensure jumpers are plugged in on any unused sensor inputs.

To test, short out the two RHS pins on the sensor inputs.



Two Channel Configuration



Installation

1. Connect power to AEN.
2. Connect first load to Load A and second load to Load B.
3. Push LHS DIP switch up for two channel selection.
4. For Load A: Connect first reed sensor to Sensor Input 1 using the two marked RHS pins. Connect second reed sensor to Sensor Input 2 or if none leave jumper on.
5. For Load B: Connect first reed sensor to Sensor Input 3 using the two marked RHS pins. Connect second reed sensor to Sensor Input 4 or if none leave jumper on.
- 6. Important: Jumpers must remain on any unused Sensor Inputs.**
7. Set time delay using the three RHS DIP switches.

DIP Switch Time Delay Settings

Ch.2 On Ch.1 Off	10 sec.	Ch.2 On Ch.1 Off	15 min.
Ch.2 On Ch.1 Off	30 sec.	Ch.2 On Ch.1 Off	30 min.
Ch.2 On Ch.1 Off	60 sec.	Ch.2 On Ch.1 Off	60 min.
Ch.2 On Ch.1 Off	5 min.	Ch.2 On Ch.1 Off	Infinity