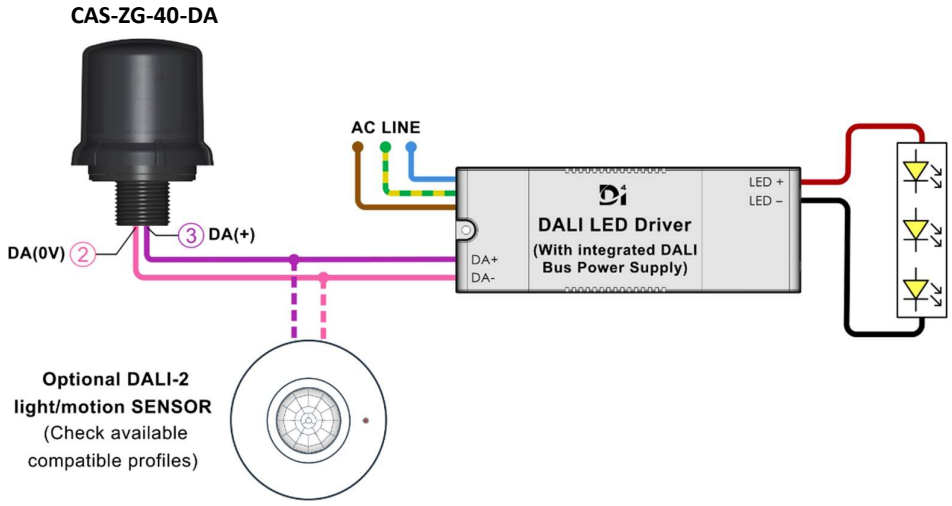
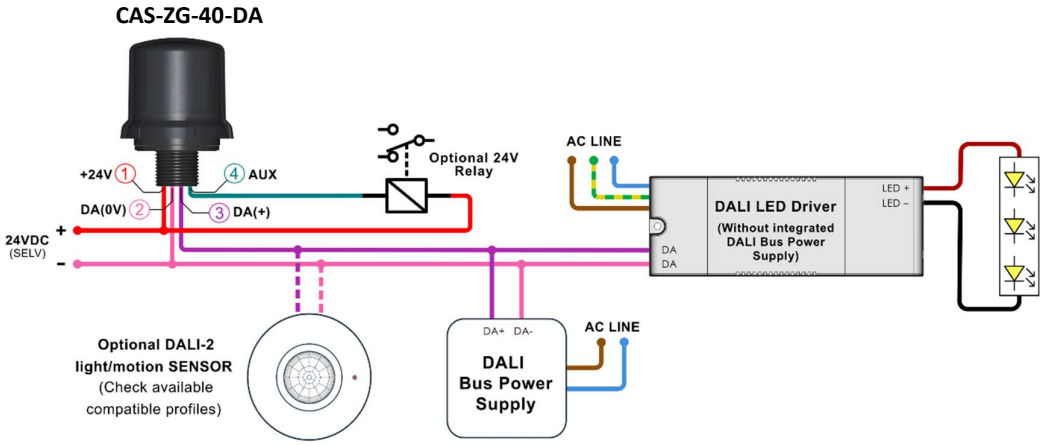
▪ Wiring diagrams





Notes for use of optional 24V relay:

- A 24VDC power supply is required for powering the relay.
- Connection of the +24V to the pin 1 of the node is recommended only for protection purposes. There is an internal diode between Pins 1 and 4, useful for dissipating the typical back EMF caused by the relay coil or other inductive loads when they are switched off.



Bottom view

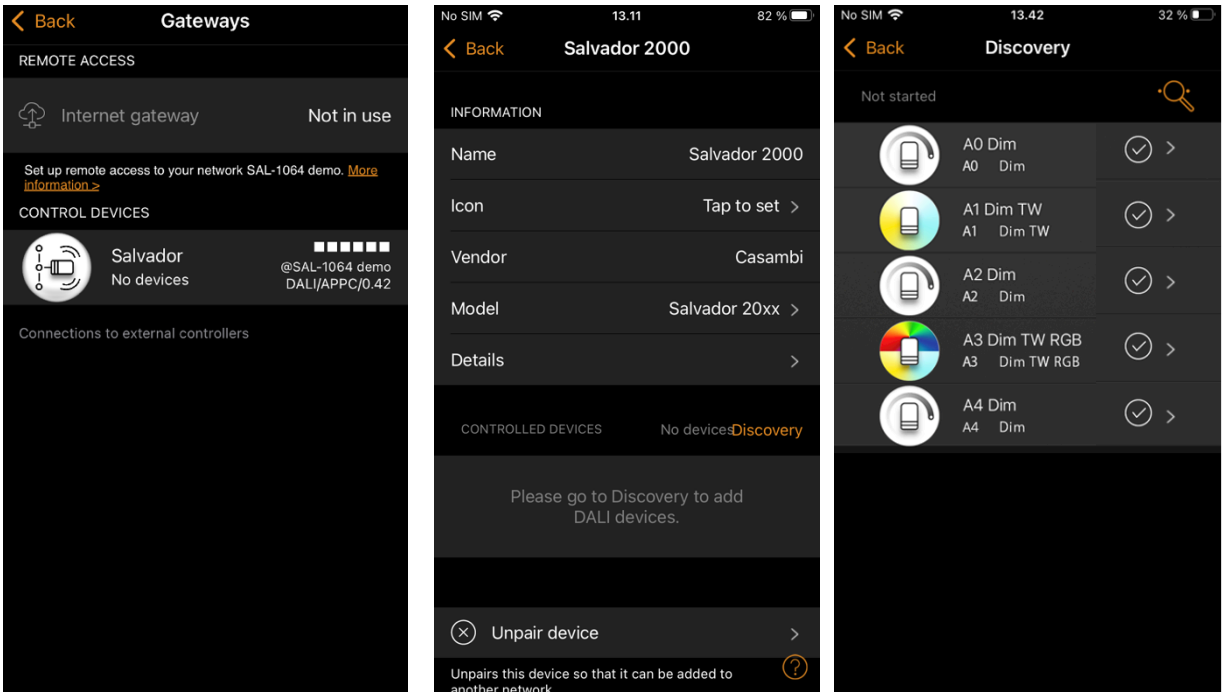
1	+24V
2	DA (0V)
3	DA (+)
4	Auxiliary

Note: CAS-ZG-40-DA is not DALI polarity sensitive. DALI bus polarity is only indicated to ensure compatibility with the wiring scheme of the ZG Book 18 socket.

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DALI driver discovery process

1. Select the Salvador from the More tab, Gateways section.
2. Select Discovery to open the discovery view.
3. Select the discover (magnifying glass) icon again to start the discovery process.
    a. Discovery may take some time depending on the amount of DALI drivers connected.
4. As each driver is addressed it will be shown in a list on the discovery screen view.
    a. There is an indication at the top left of the discovery view to indicate progress/how many new devices have been discovered/addressed.



5. When the process has finished, select Confirm to add all discovered drivers to your network.
    a. Icons for each individual DALI driver will then be displayed in the app Luminaires tab.
        i. Each DALI driver shown in the luminaires tab has properties that can be viewed in the same way as any other Casambi device (double tap the icon). It is possible to rename the device, change its icon image and see various other information about it. It is also possible to open the Details section to see various DALI data.
6. You can then control and program the devices in the same way as any other Casambi ready or Casambi enabled luminaire. Please refer to the original app user guide for more information.

Adding additional DALI drivers

If physically adding additional DALI drivers after the initial discovery has been done, you will have to run the discovery process again to address these and add them to your network.

1. Follow the steps described in the section “DALI driver discovery process”.
2. After the process completes you will see a summary of DALI drivers that have already had addressed from a previous discovery and new devices.
3. Confirm to add all discovered drivers to your network.

Removing DALI drivers

If physically removing DALI drivers after the initial discovery has been done, you will have to run the discovery process again to update network configuration.

1. Follow the steps described in the section “DALI driver discovery process”.
2. After the process completes you will see a summary of DALI drivers that are now addressed
3. Confirm to update your network configuration.

Note: “Unpairing” a DALI driver from the luminaires tab is not possible. If attempted, you will be promoted to run the discovery process again.

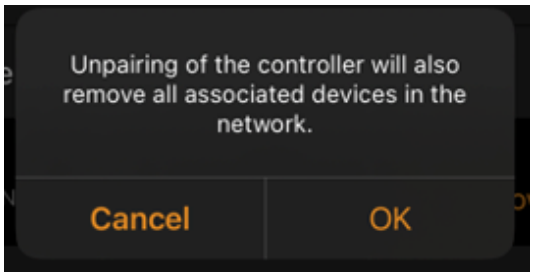
Offline DALI drivers

The app will indicate if a DALI driver is offline. This may be indicated if the physical DALI connection is broken., or if the driver itself has been powered off.

Unpairing the Salvador

A Salvador can be unpaired from a Casambi network using the same method as any other Casambi ´device. Please see the user guide for more information.

Note that unpairing a Salvador will also remove all DALI luminaires that have been discovered by that Salvador.



▪ Technical data

CAS-ZG-40-DA	
DALI voltage range	9,5-22,5V
DALI input current consumption	15mA@16V 20mA@22,5V
Power consumption	<0,5W
Control signal	Digital Addressable Lighting Interface (DALI)
DALI BUS power supply	The DALI bus must be powered by an external DALI power supply.
Dimming range	0-100%
AUXILIARY Output	Normally open collector type. 200mA sink. 30VDC max.
Light sensor range	20-2000Lx
RF communication interface	Bluetooth Low energy (BLE) 4.0 & 5.0
RF communication protocol	Casambi
RF spectrum	2402–2483 MHz
RF network	Self-healing, frequency-hopping, spread spectrum mesh technology
Maximum transmission power	+8 dBm
Wireless class	Class 2
Data security	AES128 bit encryption + elliptical cryptography
Firmware update	OTA (Over the air)
Time/date update	Internal counter. Updatable from APP or through Casambi gateway or by use of external timer Casambi device after power disconnection of all net devices.
Protections	Over temperature.
Temperature monitoring	Internal temperature is displayed in Casambi App
Operating temperature range	-40° to +70°C
Dimensions	Diameter 50mm. Height 50mm
Weight	130gr. (Carton box included)
Enclosure material	Plastic with anti-UV treatment
Enclosure isolation type	Reinforced isolation
IP	66
IK	09
Connector	Zagha compatible base
Standards	EN 61347-1:2016, EN 61347-2-11:2003, EN 55015:2013, EN 61547:2011, EN 61000-3-2, EN 61000-3-3, EN 301489-1, EN 301489-17.
DALI standards	IEC 62386 part 101, 103, 351. Part 303, 304 (supports DALI-2 Light and motion Sensors. Part 251-253 (supports luminaire, energy and diagnosis data)
Directives	(LVD) 2014/35/UE, (EMC) 2014/30/UE, (RED) 2014/53/UE, (RoHS) 2011/65/UE, (REACH) 1907/2006.
Warranty	3 years