USER MANUAL 2AMCV719ZDS

SUBJECT INDEX:

2AMCV719ZDS
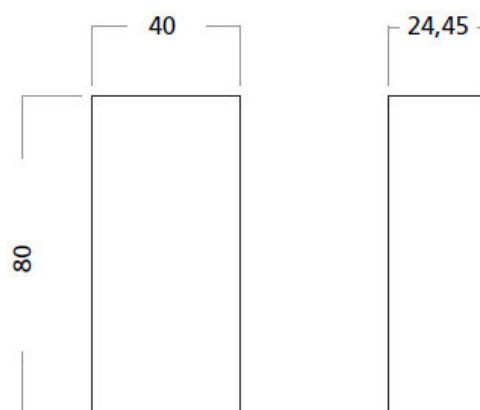Converter ZIGBEE to DALI broadcast with integrated BUS DALI power supply

Device Zigbee HA 1.2 to DALI converter.
Integrated DALI bus power supply for up to 16 devices.
Input Range: 100-240V AC 50/60Hz.

Input Controls	
Type	**Qty**
Not insulated Push button	1
Zigbee	1

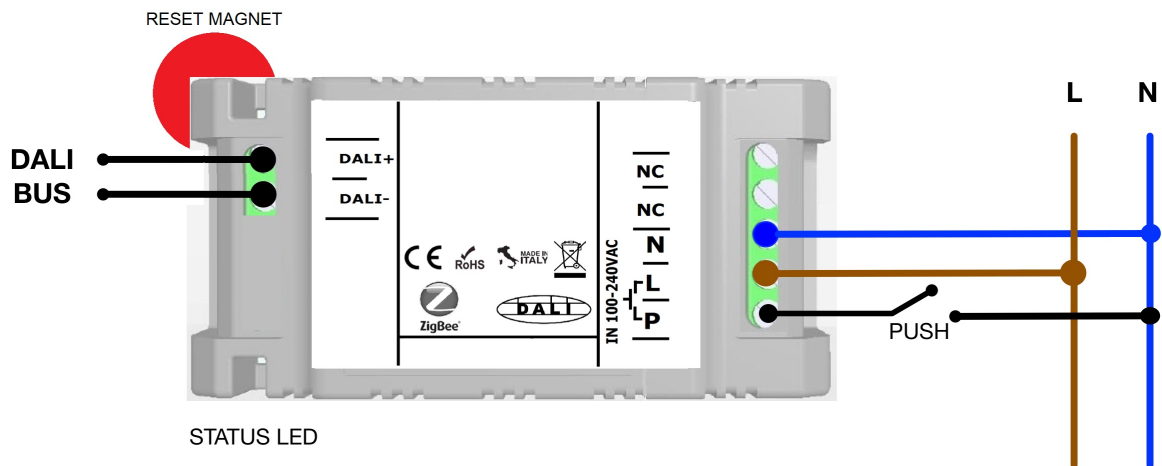| Output Sync	
Type	**Qty**
DALI	1

TECHNICAL NOTES

- Device Zigbee HA 1.2 to DALI converter.
- Integrated DALI bus power supply for up to 16 devices.
- Input Range: 100-240V AC 50/60Hz.
- The device is not equipped with earth connection
Protection against accidental contact with live parts is garantied by the enclosure.
- Power Connector Cross-section of conductors 14-30 AWG (0.05-2.08 mmq).
- Input Controls: Not insulated Push button x1, Zigbee x1.
- Output Sync: DALI x1.
- Thermal foldback: 150 C. Degrees on uC.
- Storage Temperature Min: -40 Max: 60 C. Degrees.
- Working Temperature Min: -20 Max: 50 C. Degrees.
- Printed Circuit UL.
- Protection Class: IP20.
- Weight: 44 gr.
- Standard Dimension 40x80x24.45 mm.
- Dimension with accessories 40x100x24.45 mm.
- Compatibile with Amazon Alexa PLus and Echo Show 10 inch.
- All connections must be made with non-live devices
and carried out by specialized personnel.
- Use only in dry conditions.

CODE	INPUT VOLTAGE	CONTROL INPUTS	CASE	DIMENSION mm
2AMCV719ZDS	100-240V AC	Not insulated Push button x1 Zigbee x1	YES	40x80 h 24.45

DEVICE POWER SUPPLY AND CONNECTION TO THE LED MODULE

POWER SUPPLY CONNECTION DIAGRAM AND LED 2AMCV719ZDS - FIGURE N. 1

The 2AMCV719ZDS device has to be powered according to the polarity showed in FIG. 1

In particular:
- connect the power source to the Input L and N terminals
- connect a normally open button PUSH (N.O.) between L (line) and P terminals

The LED (LED STATUS) positioned on the circuit board indicates the presence of power supply and the dimming status.

When the device is not associated to a zigbee network the status led blink
When the device is associated to a zigbee network the status led brightness indicates the dimming status sent to DALI bus.

To use the device as DALI MASTER connect the bus through the DALI + and DALI - terminals. (BUS connectors have no polarity).

2AMCV719ZDS acts as DALI master, sending continuously DALI commands to all connected devices.
DALI packets are sent in BROADCAST.

PUSH INTERFACE OPERATION

Single Click (rapid press (<1sec))
- Turns on or off the output (ON/OFF).

Double Click (rapid press (<1sec))
- Sets maximum brightness (output= 100%)

Long Press (long press (>1sec))
- If the device is in OFF position, it sets the output to the minimum value (default= 1%)
- If the device is in ON position, the long press enables the output dimming (up/down).

ASSOCIATE DEVICE WITH AMAZON ECHO PLUS

You can associate the device to your Amazon Echo Plus with your voice asking Alexa to search new device or by using Alexa app search device feature.
At the end of the research Alexa app will show you the device just associated.

FACTORY RESET

Factory reset can be made by
Pressing and holding the PUSH button for at least 30 seconds (see wiring diagram), switch off the device and turn on it.

or

Approaching a magnet (not selled with the device) for at least 5 seconds on the bottom of the device near the DALI terminals (see figure N. 1), switch off the device and turn on it.

If the device does not reset with button or magnet, it is necessary to remove and restore power to interrupt any active connections.

Last Manual Update 14/06/2019