

USERS MANUAL extension module 4 outputs DALI Broadcast : DMD-004-001

1. DESCRIPTION

The module DMD-004-001 allows you to pilot lights compatible with the standard DALI. The DMD-004-001 functions like 4 DALI controls but only sends **broadcast commands** through the bus.

- ⇒ All the lights connected to the same bus receive the same commands.
- ⇒ The lights do not need to be addressed.
- ⇒ Every DALI bus is programmed as an individual output.

The DALI buses do not need any supplementary DALI supports.

2. CONNECTIONS

The extension module 4 outputs DALI DMD-004-001 will function in « slave » mode with :

- The module Relay outputs DMC/DKS-012-002
- The command module DME-LAN

The extension module 4 outputs DALI DMD-004-001 can also function in « stand alone » being piloted directly by the PB(s) free of potential. (Figure C)

For the connection with the module DMC(DKS)-012-002, refer to the drawing figure A.
For the connection and the programming with the command module DME-LAN, please refer to the users manual of the DME-LAN.

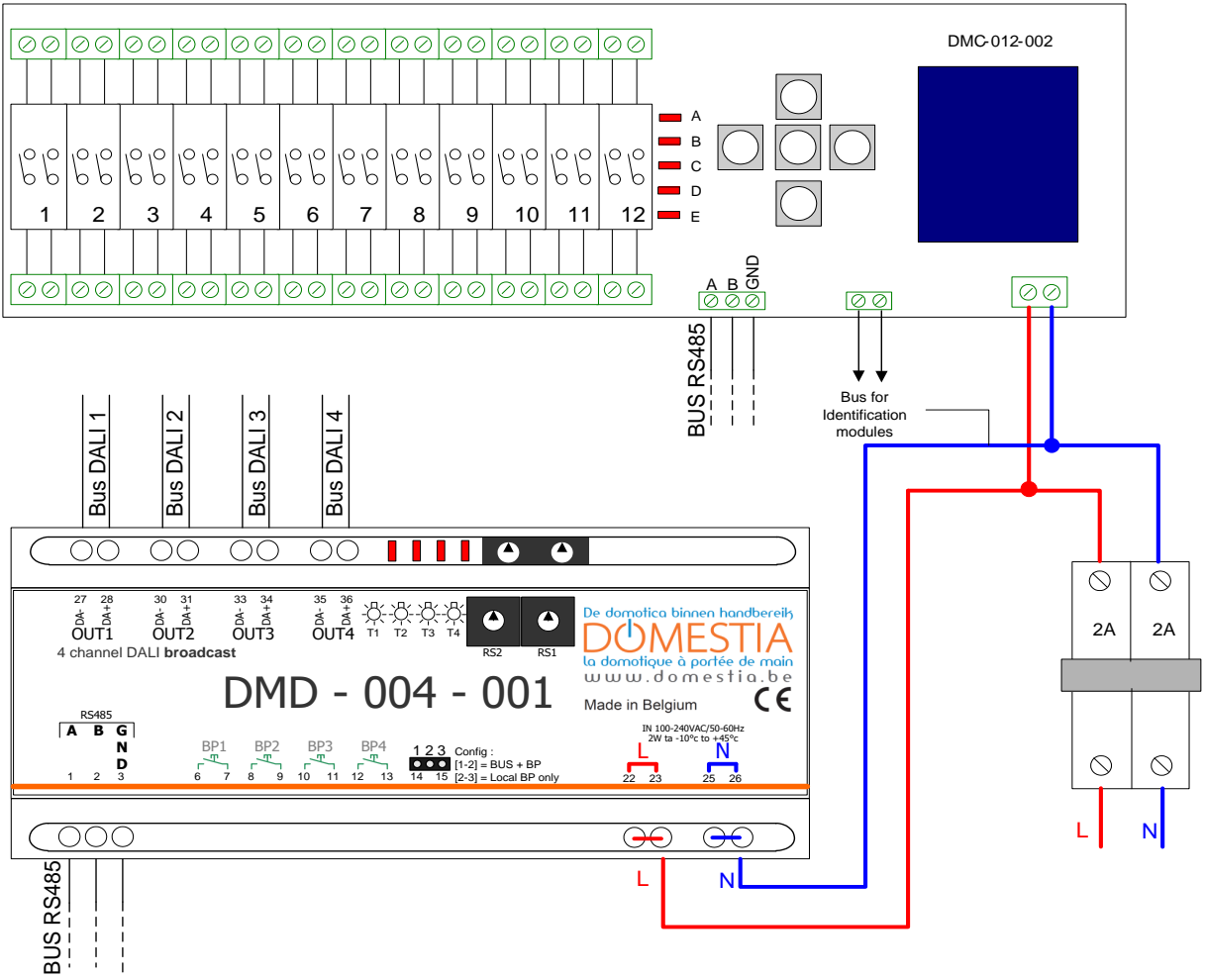


Figure A
Connection of the DALI ballasts to the module DMD-004-001 :

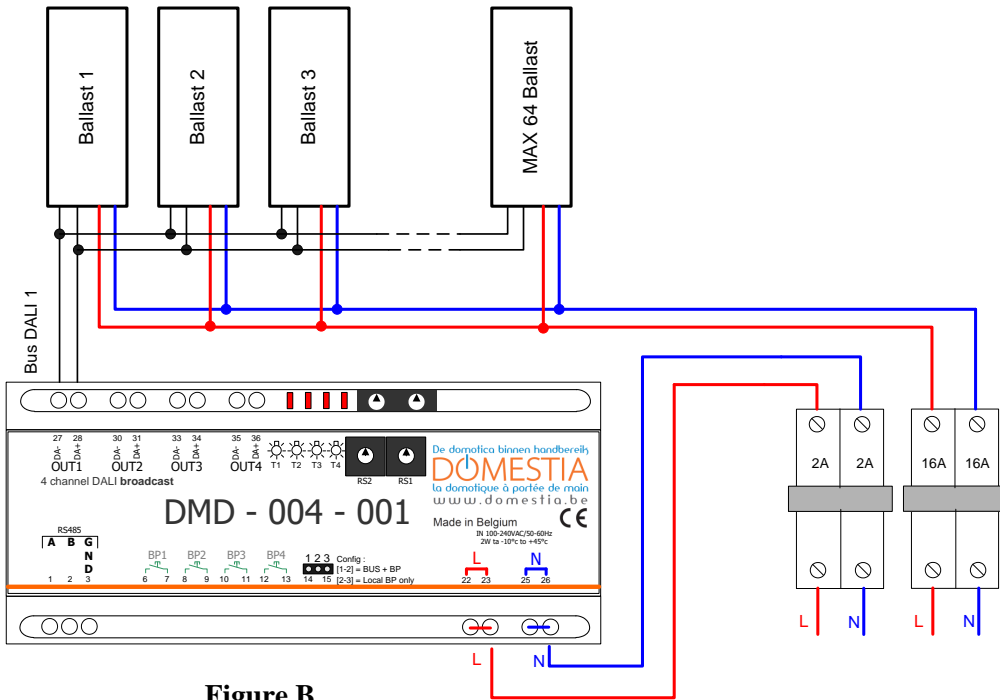


Figure B.

Function « stand alone » with PB(s) free of potential (Independent from any master module):

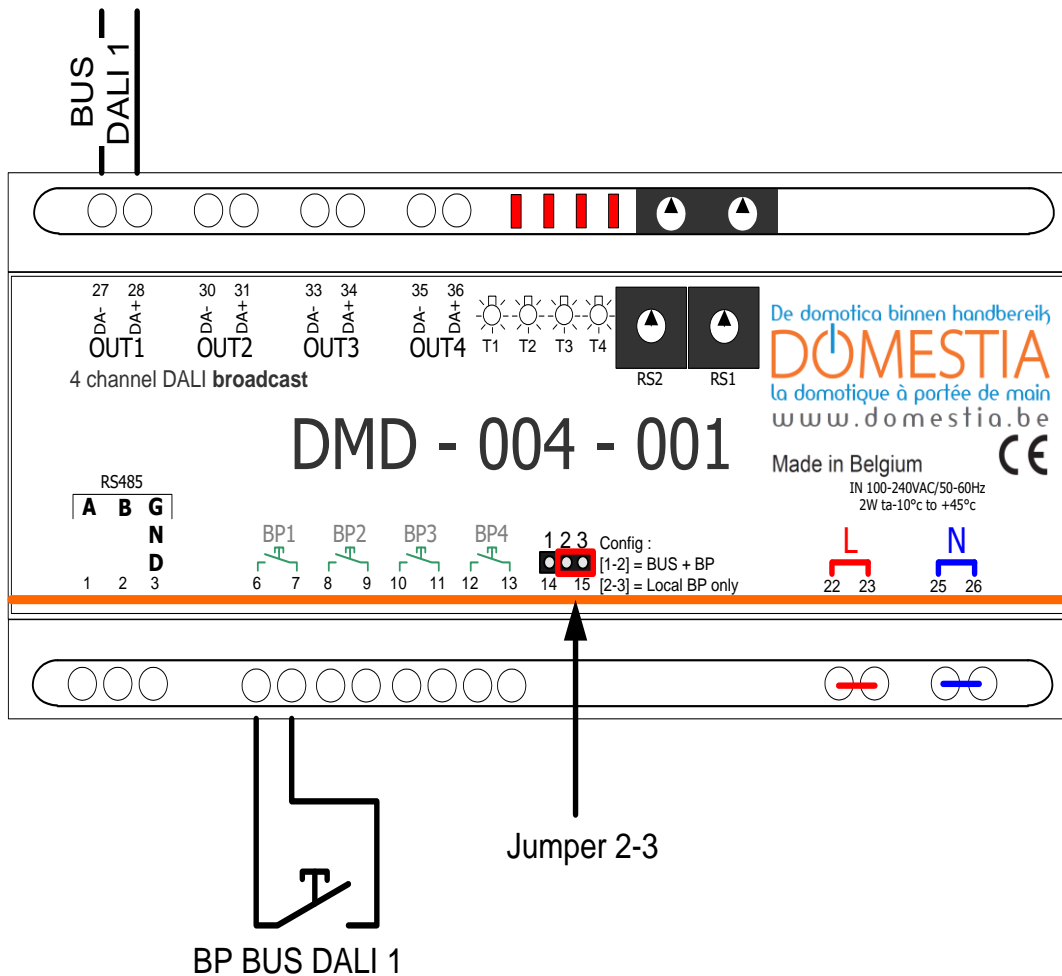


Figure C.

3. ADDRESSING

3.1 Configuration of the DMD-004-001

- I. Cut off the power to the extension module.
- II. With a small, flat screwdriver, turn the addressing dials (code dials) integrated into the circuit and accessible through the slot in the cover to the position of the extension module.

<u>Addressing Dials</u> DMD-004-001		<u>Output numbers</u>
RS2	RS1	
0	1	13 to 16
0	2	17 to 20
0	3	21 to 24
0	4	25 to 28
0	5	29 to 32
0	6	33 to 36
0	7	37 to 40
0	8	41 to 44
0	9	45 to 48

3.2 Programming the module DMC-012-002

- I. Cut off the power supply to the master module.
- II. Push and hold the RIGHT button while turning the power back on. The LEADS A, B and E should be lit. if this is not the case, use the UP and DOWN buttons until the LEADS A, B et E are lit.
- III. Using the buttons LEFT and RIGHT and the LEADS 1 to 4 (the outputs), select the total number of outputs you have for your installation.
- IV. Validate by pushing the CENTER button.

<u>Code LED</u>	<u>Output numbers</u>
1, 2	13 to 24
1, 2, 3	25 to 36
1, 2, 3, 4	37 to 48

4. PROGRAMMING

Les modules DMD-004-001 must be programmed in **relay mode**, with LEADS « C » and « E » lit (see « Figure B » users manual of the module DMC-012-002).

Once you have selected the Relay mode, Use the LEFT and RIGHT buttons to select a dimmable output. The LED indicator of the selected output is now blinking.

- I. Validate by pushing on the CENTER button. The LED of the selected output is now lit and the power is sent to that output.
- II. Press the PB switch that will pilot this output. (When pushing on the PB, the power supply of this output is interrupted for a brief instant : this indicates that the addressing process has been registered.)
- III. Repeat this procedure for each PB switch you wish to associate to this same output.
- IV. To exit the Relay mode, push the CENTER button to confirm, then as many times as necessary the UP button to return to the FUNCTION mode (LEADS A and E lit).

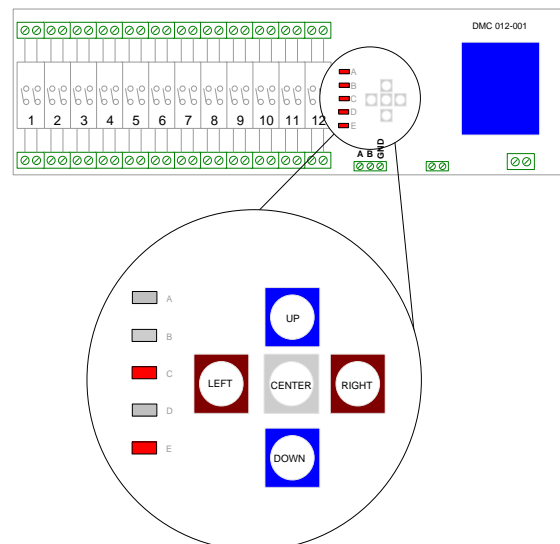


Figure B

5. FUNCTIONING

As long as you press and hold the Push Button (PB) switch, the associated output will be dimmed or increased in intensity. A brief push on the PB when the output is « lit », will turn it off. A brief push on the PB when the output is « off », will « light » the output to the last luminosity applied to this output.

6. ERROR CODES

Normal Function :

The LED indicator light (situated under the relays) associated to the output is « lit » (not blinking) when active, and « off » when the output is inactive.

In case of abnormal functioning, the below table gives you an insight into possible solutions.

STATUS	Problème	Causes possibles
The LEDs 1 to 4 light up in sequence.	Impossible to control the lights	Verify the connections to the bus RS485 (connection between the DMD-004-001 and the master module)

7. TECHNICAL CHARACTERISTICS

Electrical Characteristics

- Power supply : 100-240VAC / 50-60Hz.
- Consumption in « off » position : 2 W
- Maximum 64 ballasts per bus DALI
- The push button switches (PB) must be free of potential

Temperature extremes

- Stockage : -30°C to + 65°C
- Functioning : -10°C to +45°C

8. WARRANTIES

CONDITIONS OF THE WARRANTY :

The basic duration of the warranty of the product is 2 years from the date of reception of your order. Whatever the problem may be concerning the article, keep your sales receipt, with the serial number, as this is the sole document validating your purchase.

The warranty will not apply under the following conditions :

- Damages caused by unadapted or abusive use, poor maintenance or non respect of directives given by the manufacturer in the users manual. Any attempts for repairs by the customer or any other unauthorized third party. Damages caused by accidents, natural catastrophies or any other causes for which Domestia cannot be held responsible.
- Defects that do not effect the correct functioning or use of the material.

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