EN **INSTRUCTIONS - DMC-004-002**

DOMESTIA

CE Made in Belgium

4 output extension module

FIGURE A

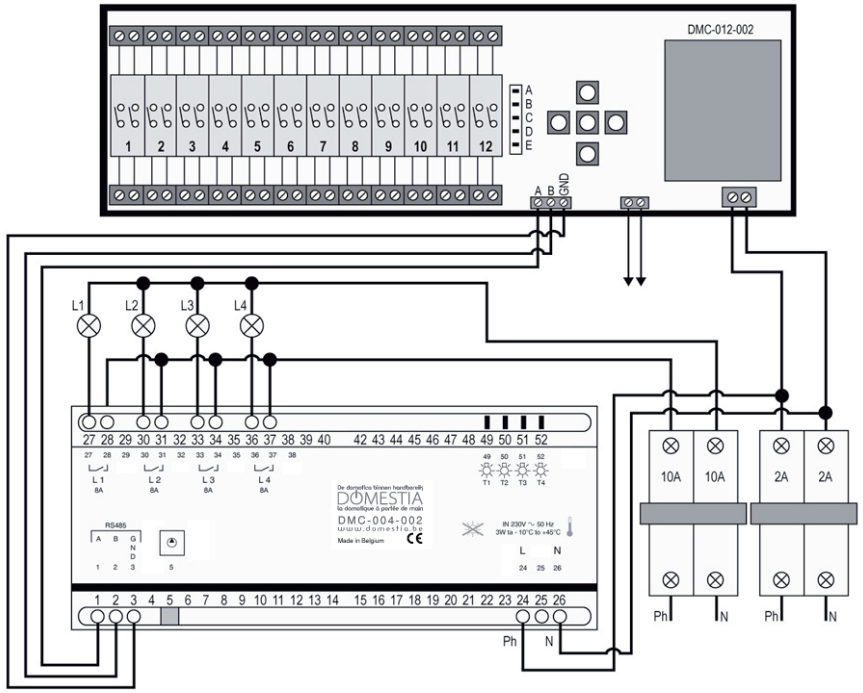
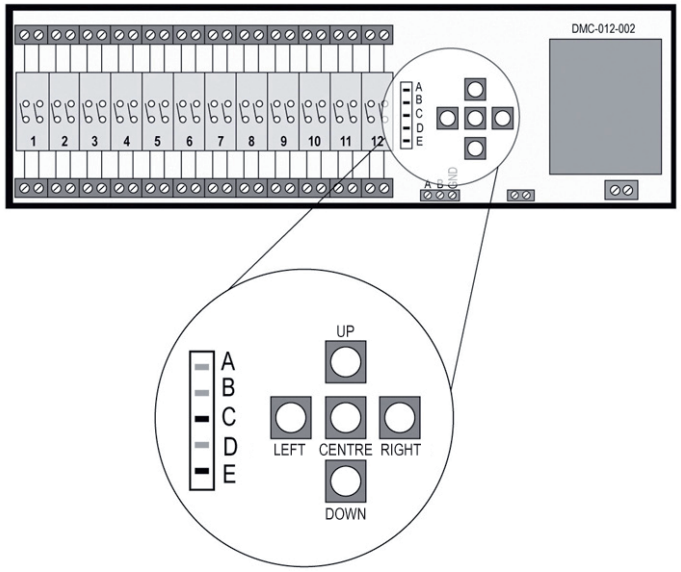


FIGURE B



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1. INSTALLATION

A 4 output extension module is designed to function as a slave with at least one DMC-012-002 card.
In the example in **Figure A**, the DMC-012-002 motherboard occupies addresses 1 to 12 and the DMC-004-002 module occupies addresses 13 to 16.

Your installation may contain **up to 48 outputs** to be distributed according to your requirements:

Card Type	Outputs used
DMC-012-002	12
DMC-004-002	4
DMT-004-002	4
DMA-004-002	4

2. OPERATING

2.1. Remote control switch mode

This function simulates a traditional order. When you press the push button (PB) once, the contactor is activated and the power is sent to that output.
A second press stops the power from being sent to that output.

2.2. Relay mode

This function simulates the contact of a traditional PB. As soon as you press the PB, the output is active.

2.3. Timer Mode

This function simulates a timer. When you pres the PB once, this output is active for the programmed length of time. However, the timer can be stopped before the end of the programmed time, by pressing the PB again.

3. ADDRESSING

3.1. Steps to be followed to configure the DMC-004-002 module

I. Switch off the power to the extension module.

II. Using a flat thin screwdriver, turn the decimal switch on the circuit, that is accessible through the slot on the case, to the position of your extension module (see below).

DMC-004-002 decimal switch	Output range
1	From 13 to 16
2	From 17 to 20
3	From 21 to 24
4	From 25 to 28
5	From 29 to 32
6	From 33 to 36
7	From 37 to 40
8	From 41 to 44
9	From 45 to 48

III. Reconnect the power to the extension module.

3.2. Steps to be followed to configure the DMC-012-002 master card

I. Switch off the power to the master card.

II. Hold the RIGHT button down while reconnecting the power to the card. LEDs **A**, **B** and **E** must be lit up. If that is not the case, use the UP and DOWN buttons until LEDs **A**, **B** and **E** lit up.

III. Using the RIGHT and LEFT buttons and LEDs **1** to **4**, select the number of outputs that you have on the installation.

DMC-004-002 decimal switch	LEDS allumées DMC-012-002
1	1, 2
2	1, 2
3	1, 2
4	1, 2, 3
5	1, 2, 3
6	1, 2, 3
7	1, 2, 3, 4
8	1, 2, 3, 4
9	1, 2, 3, 4

IV. Validate using the CENTRE button.

4. PROGRAMMING

Choose the mode using the 5 buttons of the motherboard (see DKS-012-002 motherboard instructions).

Once you have chosen the mode, use the RIGHT and LEFT buttons (of the mother-board) to choose the output and validate it by pressing the CENTRE button. The LED of the selected output stops blinking and the power supply is sent to the output.
You then have to go to the room in question and press on the PB that runs this output.
By pressing on the selected push button, the power supply is interrupted momentarily at that point: which means that the addressing is recorded. Repeat the operation for each push button that you want to combine at that same point.
When you have selected all the PBs running this output, the addressing is recorded.
You can then move on to the next output and repeat the operation.

To leave the mode, press the CENTRE button and then the UP button as many times as necessary to return to the OPERATING mode (LEDs **A** and **E** lit).

5. TECHNICAL DETAILS

5.1. DMC-004-002

- Power supply: 230VAC / 50 Hz +/- 10%.
- Number of outputs per card: 4 8A voltage-free contacts.
- Communication bus: RS485.

5.2. Wiring

- RS485 link between cards in a single box: use VVT, VOB, UTP,… wires.
- RS485 link between different cards in different boxes: use UTP wires (one pair for A and B and one pair for GND).
- Do not exceed a 1.5mm² section for communication terminals. Do not exceed a 2,5mm² section for power terminals.

5.3. Operating temperature

- Storage: -30°C to +65°C.
- Operating: -10°C to +45°C.

6. ADDITIONAL FEATURES

For any specific request, please send us preliminary plans by e-mail to info@domestia.be, and we will answer within 2 business days.

7. WARRANTIES

WARRANTY CONDITION

The basic warranty for your product is 2 years from the date your order is received. Please make sure you keep your invoice, with the serial number safely, as it is the only document that acts as a guarantee in case of any problem.

The warranty does not apply in the following cases:

- Damage caused by inappropriate use, incorrect use, poor maintenance or not-respecting the instructions given by the manufacturer. Attempted repairs by the customer or by a non-authorised third party. Damage caused by accidents, force majeure or other causes for which Domestia may not be held responsible.
- Any fault not resulting from the correct operating or good use of the material.

8. STANDARDS

8.1. EMISSION

- EN 55022 class B emission.
- 30-1000MHz radiated emission.
- 230V 150k-30MHz AC conducted emission.
- Disturbing current emission on the 150k-30MHz bus (current tester).
- EN 61000-3-2 Harmonic emission to 2kHz.
- EN 61000-3-3 flicker emission.

8.2. IMMUNITY TESTS

8.2.1. Housing

- EN 61000-4-2 8kV/air electrostatic discharges (insulator part = casing) in criteria B.
- EN 61000-4-3 immunity test on RF 80MHz-2GHz 10V/m fields in criteria B.

8.2.2. 230V AC Lines

- 61000-4-4 2kV burst in criteria B.
- EN 61000-4-5 2kV shock wave between phase and earth, 1kV between phases, all in criteria B.
- EN 61000-4-6 induced signals due to RF 150kHz-80MHz 3V fields in criteria A or 10V in criteria B.
- EN 61000-4-11 70%U voltage variations during 3 x 0.3s, then 0%U during 3 x 0.1s in criteria B.

8.2.3. Sector Tests

- 1996 EN50090-2-2 + A1 2002.
- EN 60664 – 1 circuit insulation.