

2 shutter extension module

FIGURE A

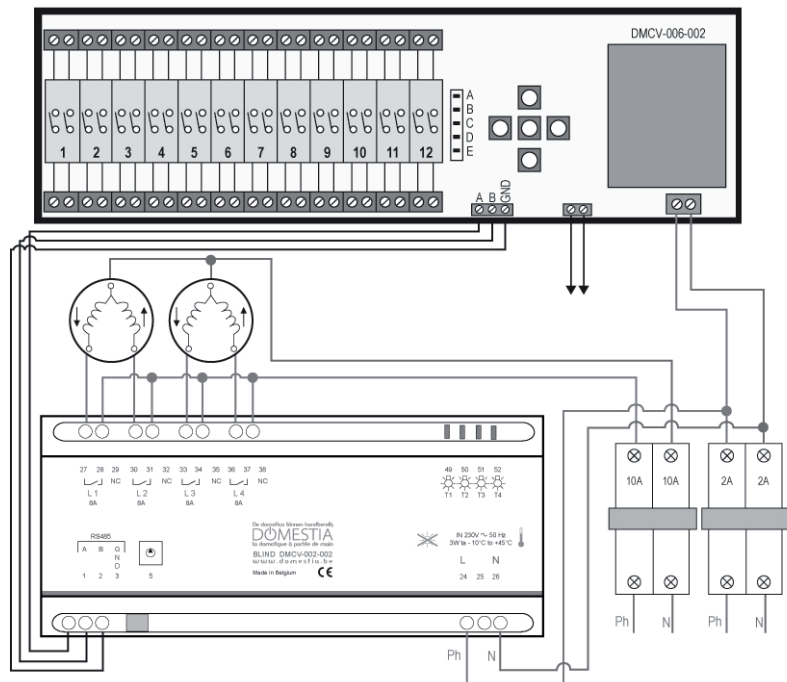
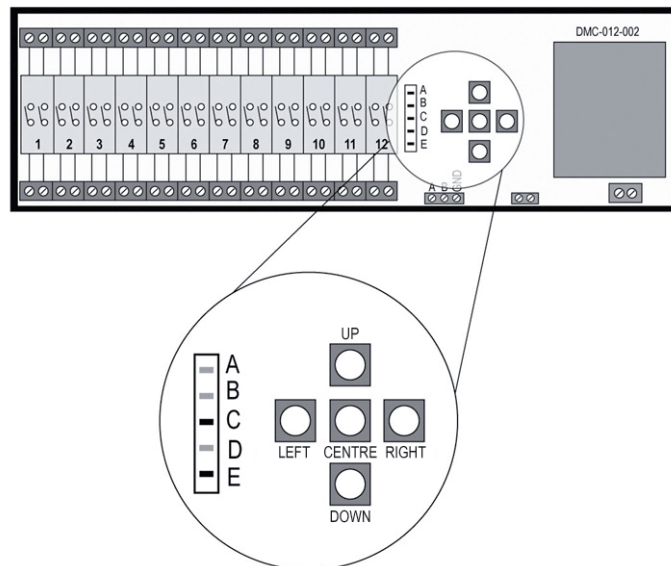


FIGURE B



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1. INSTALLATION

A 2 shutter extension module is designed to function as a slave with **at least one DMCV-006-002 card**. In the example in **Figure A**, the DMCV-006-002 motherboard occupies addresses 1 to 6 and the DMCV-002-002 module occupies shutters 7 to 8.

Your installation may contain **up to 24 shutters** to be distributed according to your requirements :

Card Type	Number of Shutters
DMCV-006-002	6
DMCV-002-002	2

2. OPERATING

2.1. Lower Mode

This function simulates a traditional order to lower the shutter. The shutter will be lowered as soon as you press on the push button (PB). Just press the PB briefly to activate the lowering of the shutter for the length of time set by the timer (point 2.3).

2.2. Raising mode

This function simulates a traditional order to raise the shutter. The shutter will be raised as soon as you press on the push button (PB). Just press the PB briefly to activate the raising of the shutter for the length of time set by the timer (point 2.3).

3. ADDRESSING

3.1. Steps to be followed to configure the DMCV-002-002 card

- 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).

DMCV-002-002 decimal switch	Shutters affected
1	From 7 to 8
2	From 9 to 10
3	From 11 to 12
4	From 13 to 14
5	From 15 to 16
6	From 17 to 18
7	From 19 to 20
8	From 21 to 22
9	From 23 to 24

III. Reconnect the power to the extension module.

3.2. Steps to be followed to configure the DMCV-006-002 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 shutters that you have on the installation.

DMCV-002-002 decimal switch	DMCV-006-002 lit LEDs
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

(See **Figure B**)
Choose the mode using the 5 buttons of the motherboard (see DMCV-006-002 motherboard instructions).

Once you have chosen the mode, use the RIGHT and LEFT buttons (of the motherboard) to choose the output and validate it by pressing the CENTRE button. The LED of the chosen contact will stop blinking.

Once you have chosen the mode, use the RIGHT and LEFT buttons (of the motherboard) to choose the output and validate it by pressing the CENTRE button. The LED of the chosen contact will stop blinking.

You then have to go to the room in question and press on the PB that runs this contact. When you press on the PB, power is connected to the motor in question: which means that the addressing is recorded. Repeat the operation for each push button that you want to connect to that contact.
When you have selected all the PBs running this contact, the addressing is recorded. You can then move on to the next contact and repeat the operation.

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

5. TECHNICAL DETAILS

5.1. DMCV-002-002

- 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-authorized 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

- EN 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.