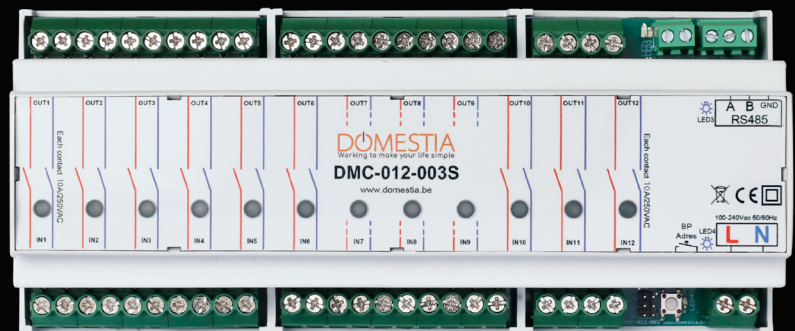


DOMESTIA

Working to make your life simple

Manual

DMC-012-003 S



www.domestia.be

Table of contents

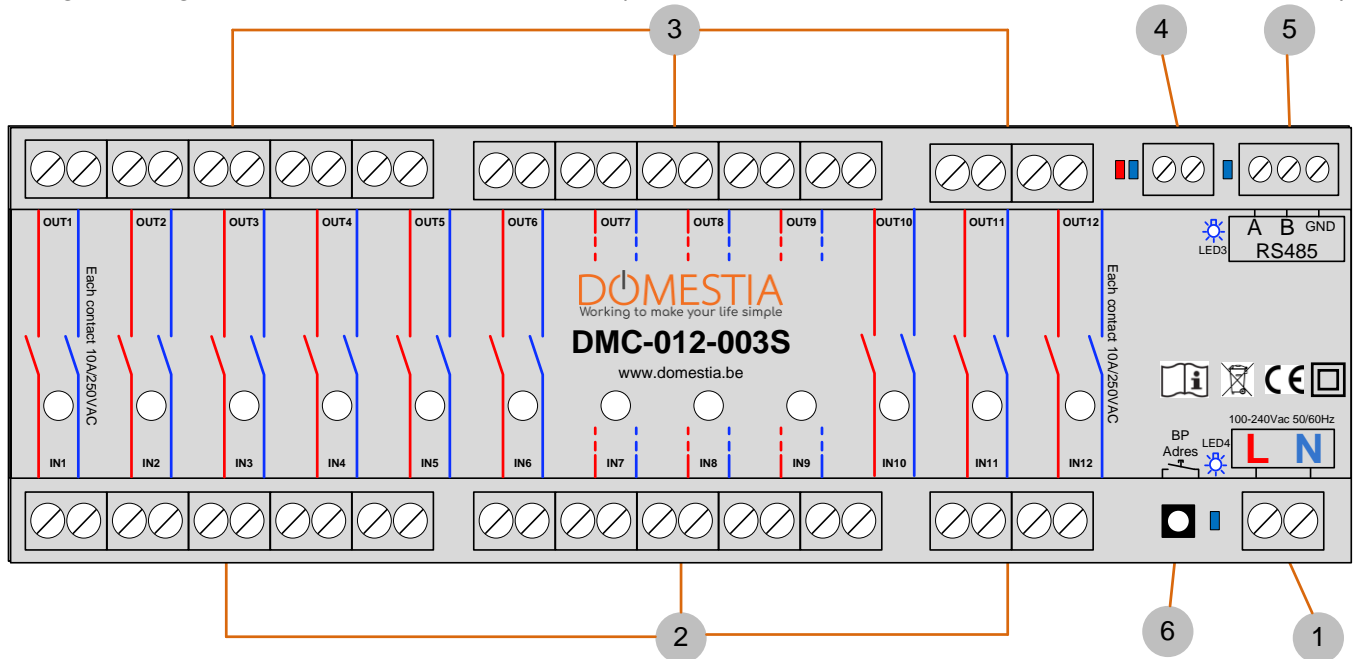
Table of contents	2
1 DESCRIPTION	2
2 CONNECTION	3
2.1 Basic Wiring	3
2.2 Chaining the modules	4
3 Addressing of the module	5
3.1 Automatic addressing from the application Domestia Home Manager (via the master module)	5
3.2 Half-automatic addressing from the application Domestia Home Manager (via the master module)	5
3.3 Manual addressing	5
3.4 Reset to factory settings	5
4 TECHNICAL CHARACTERISTICS	6
5 WARRANTIES	6

1 DESCRIPTION

The module DMC-012-003S is equipped with 12 bipolar relay outputs and it can work as a **slave** module. A **master module is necessary to make it work**.

Its relays can be used for lighting as for shutters/stores.

Its programming is done from the master module (for example DMC-012-003, DMC-008-001, DME-LAN-002)



Legend :

- (1) Module power
- (2) Input of the bipolar potential-free contacts (usually connected to circuit breakers)
- (3) Outputs of the potential-free contacts (generally for the connection to lights, stores ...)
- (4) Do not connect anything
- (5) RS485 bus for connection to other modules : blue LED = communication between the modules
- (6) Addressing-button/configuration – blue LED = internet connection – network traffic

2 CONNECTION

The module DMC-012-003S is designed to operate as a **slave** module with one of these master modules :

- A module with 12-output relays (DMC-012-003)
- A module with 8-output relays (DMC-008-001)
- A management unit control module (DME-LAN-002 or DME-LAN-001)

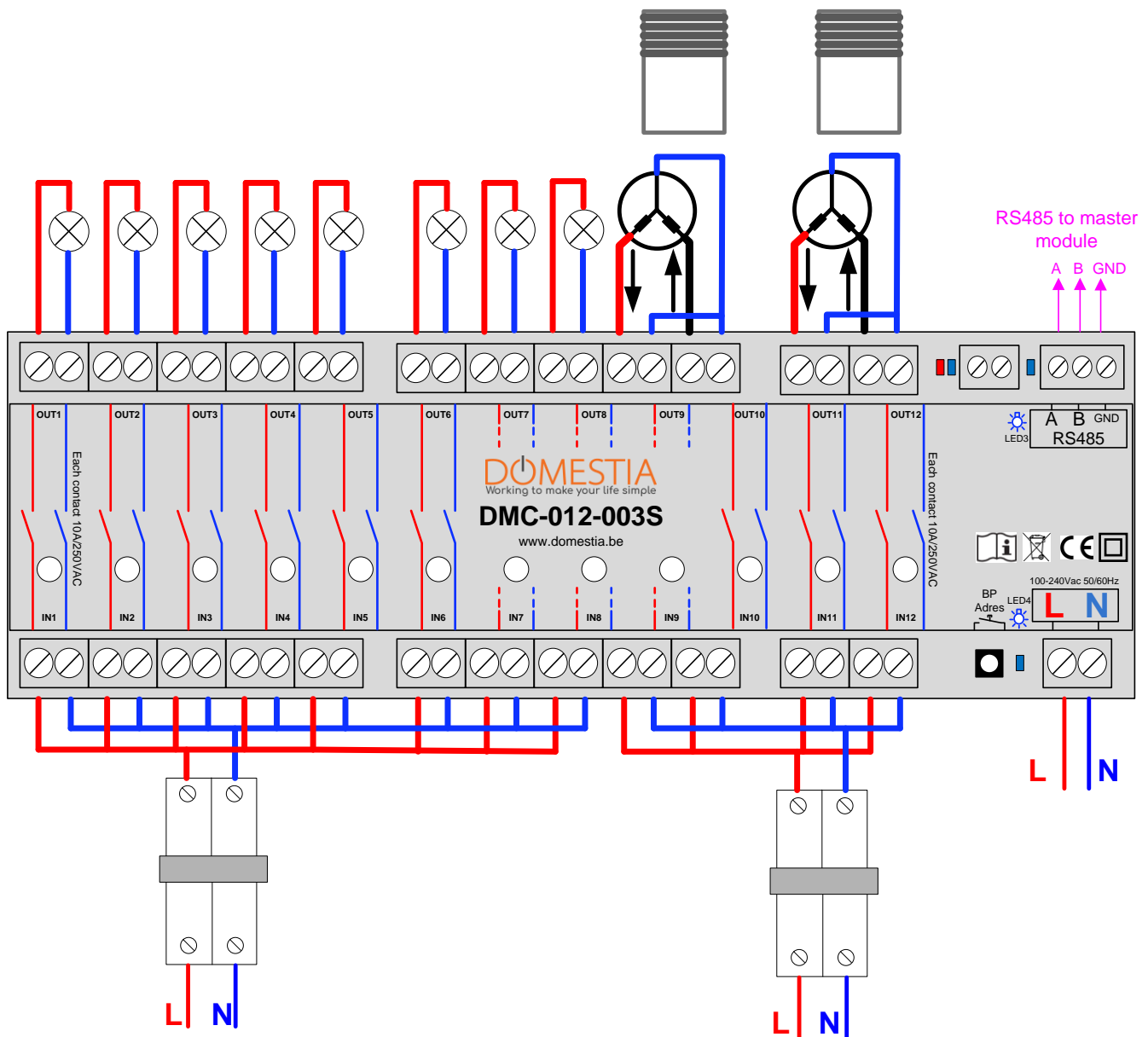
⚠ The DMI bus loop (identification modules for pushbuttons) must **only** be connected to the master module.

The modules must be connected together using 3 wires : **Bus RS485 (A, B et GND)**.

⚠ The GND wire of the RS485 bus **cannot** be connected to ground.

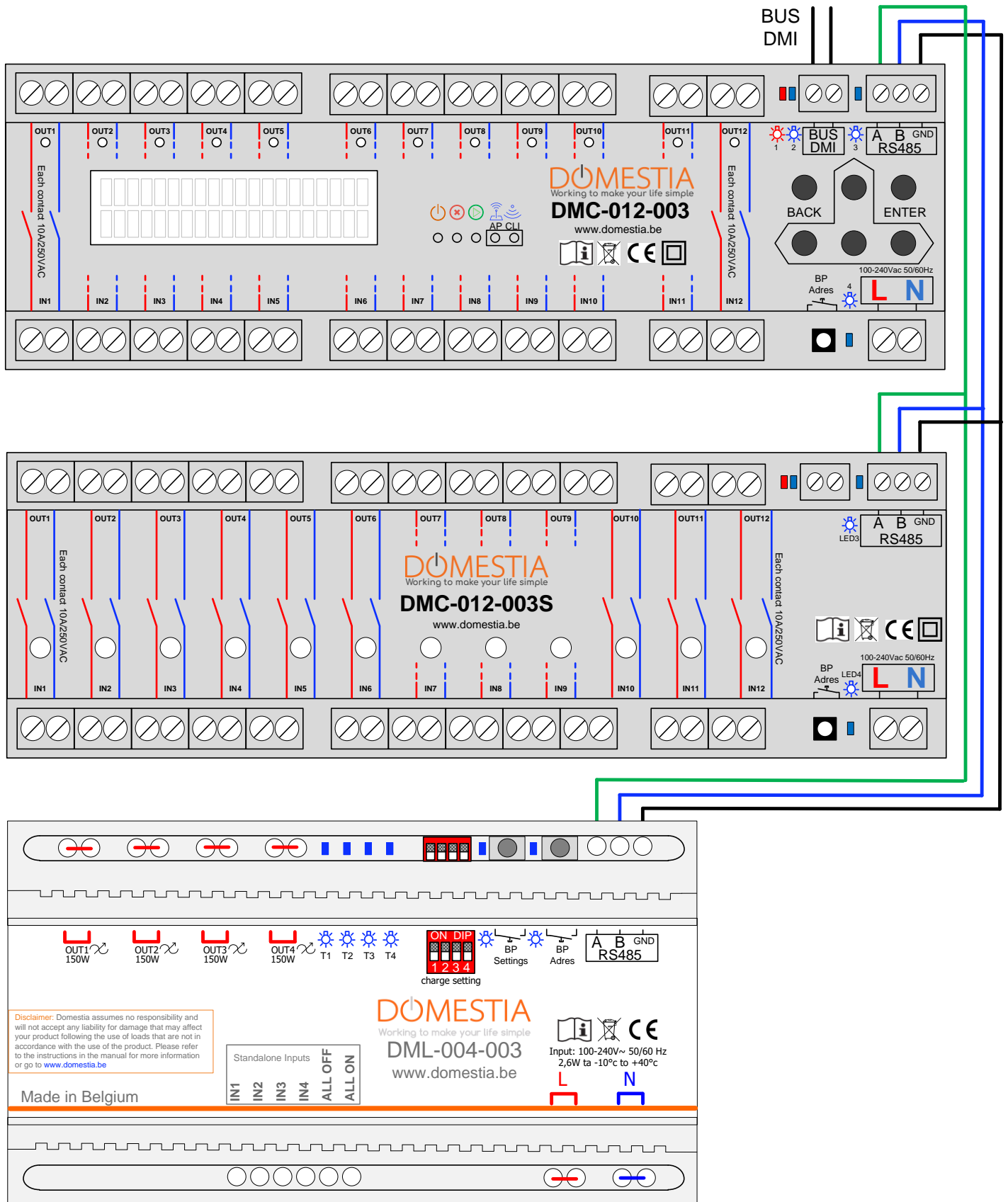
NB : It is possible to move modules to several switchboards (for example : one module in the basement and another in the attic) by interconnecting the RS485 bus between the different switchboards. **The identification modules must always return to the master module.**

2.1 Basic Wiring



2.2 Chaining the modules

An example of chained modules :



3 Addressing of the module

By default the module has no address. The module needs to be addressed so that it can work.

3.1 Automatic addressing from the application Domestia Home Manager (via the master module)

When the module is connected to a master module of the type **DMC-008-001** (from firmware V1.28), **DMC-012-003** or **DME-LAN-002** (from firmware V3.0) the module **DMC-012-003S** can be addressed from the programming application « Domestia Home Manager ». The programming Software scans the bus RS485 to detect the connected modules. It is then possible to choose the module's address directly from this application. Refer to the installation and user manual of these modules for more informations.

3.2 Half-automatic addressing from the application Domestia Home Manager (via the master module)

When the module is connected to a master module of the type **DMC-008-001** (from firmware V1.28 or superior), **DMC-012-003** or **DME-LAN-002** (from firmware V3.0. or superior) the module **DMC-012-003S** can be addressed by simply pressing once the addressing button.
Refer to the installation and user manual of these modules for more informations.

3.3 Manual addressing

To make the DMC-012-003 compatible with the older master modules (DMC-012-002, DME-LAN-001) the module can be addressed via the addressing button (By default the module has no address).

- 1) Press during 4 seconds on the addressing button (till the blue LED goes off)
- 2) Then press as many times as the wished address requires (see **addressing table**). The LED indicator lights up at each press. (**max. delay of 2 seconds between the successive pushes**)
- 3) After a delay of 2 seconds following the last press the blue LED flashes the number of times that the button has been pushed to confirm the address.

3.4 Reset to factory settings

To reset the module to factory settings press the addressing button during a time between 10 and 14 seconds. When the button is released the LED flashes 10 times after a delay of 3 seconds to confirm the action.

Note : during the press on that button the LED lights up during 4 seconds then goes off and lights up every two seconds as long as the button is pressed.

Addressing table	
Module's address	Output range
1	1-12
2	5-16
3	9-20
4	13-24
5	17-28
6	21-32
7	25-36
8	29-40
9	33-44
10	37-48
11	41-52
12	45-56
13	49-60
14	53-64
15	57-69
16	61-72
17	65-76
18	69-80
19	73-84
20	77-88
21	81-92
22	85-96
23	89-100
24	93-104
25	97-108
26	101-112
27	105-116
28	109-120
29	113-124
30	117-128
31	121-132
32	125-136
33	129-140
34	133-144
35	137-148
36	141-152
37	145-156
38	149-160
39	153-164
40	157-168
41	161-172
42	165-176
43	169-180
44	173-184
45	177-188
46	181-192

4 TECHNICAL CHARACTERISTICS

Electrical characteristics :

- Dimensions : Width 213mm (12 modules DIN)
 Height 60mm
 - Voltage : 100-240V ~50/60Hz (internal fuse 1A)
 - Input/Output terminals :
 - Section of single stranded conductors: 6mm²
 - Multi-strand conductor - Cross-section : 4mm².
 - Bipolar relays 10A/250V~ :
 - Maximum AC breaking capacity : 2500 VA resistive load
 - Maximum AC load : 750 VA inductive load
 - Single-phase motor 230V~ : max 370W
 - Maximum boot current : 120A max 5ms
- ⚠ The sum of the currents flowing through the 12 relays must not exceed 40A**
- Insulation level : Double insulation according to the IEC/EN60601-1
 - CE marking : This product complies with all applicable directives. The EU Declaration of Conformity is available on www.domestia.be

Operating temperature :

- Storage : -30°C à + 65°C
- Operation : -10°C à +40°C

5 WARRANTIES

Warranty conditions :

The duration of your product's basic warranty is 2 years from the purchase date, which must be confirmed with an invoice bearing the name of the seller and the date on which the sale took place and the serial number(s) of your product(s) clearly indicated on the invoice .

In addition, so that the warranty is valid and can be used, the professional installation and commissioning of the device must be carried out exclusively by a qualified person who, in the cases set out, must provide the owner of the installation with **an installation compliance statement.**

Excluded from this warranty are all malfunctions and/or damage to the device due to the following causes:






- All defective parts due to negligent use, incorrect maintenance, installation that does not comply with that specified by the manufacturer (always refer to the installation and user manual provided with the device)
- Damage caused by transport and/or handling
- Additional damage caused by incorrect interventions by the user trying to repair the initial fault
- Damage caused by inappropriate use, improper use, poor maintenance or failure to respect the instructions given by the manufacturer in this user manual
- Damage due to electrical installation faults
- Repair attempts made by the customer or a third party which are not permitted
- Damage caused by accident, force majeure or other causes for which Domestia cannot be held responsible
- Fault not affecting the proper functioning or proper use of the equipment.






Domestia
176, rue Jean-Jaurès
4430 Ans
Tél : 04/ 372 07 16
Fax : 04/ 372 07 19

info@domestia.be
www.domestia.be



System chart

	Output's name	 Toggle	 Impulse	 Timer	 Dimmer	 Shutter control
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						

	Output's name	 Toggle	 Impulse	 Timer	 Dimmer	 Shutter control
25						
26						
27						
28						
29						
30						
31						
32						
33						
34						
35						
36						
37						
38						
39						
40						
41						
42						
43						
44						
45						
46						
47						
48						