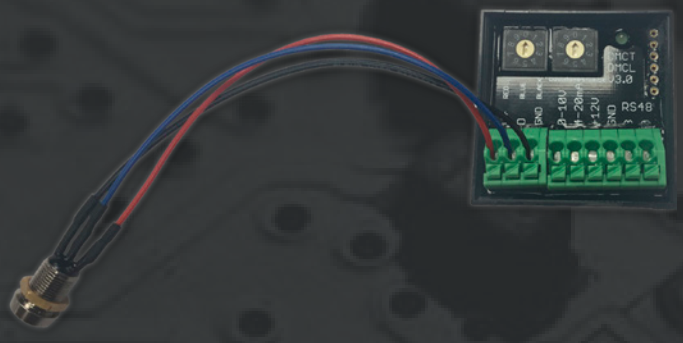
DOMESTIA

Working to make your life simple

MANUAL

DMCT-001-001 | DMCS-001-001

Temperature | brightness sensor, humidity



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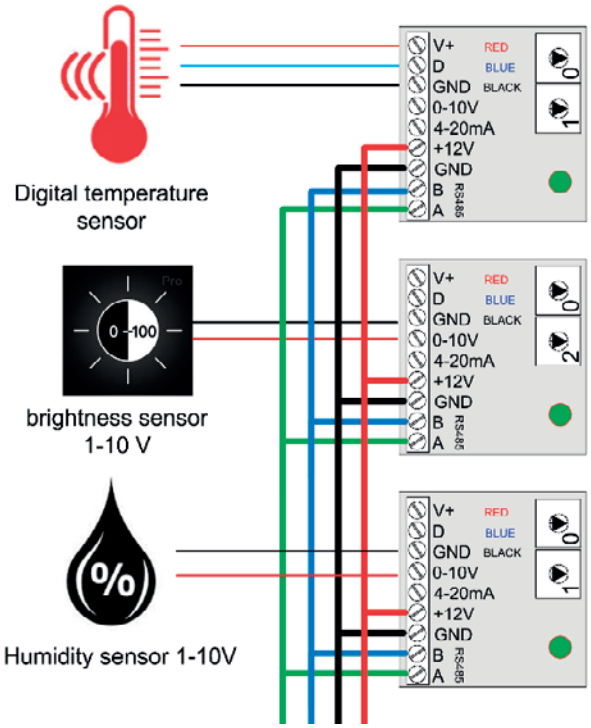
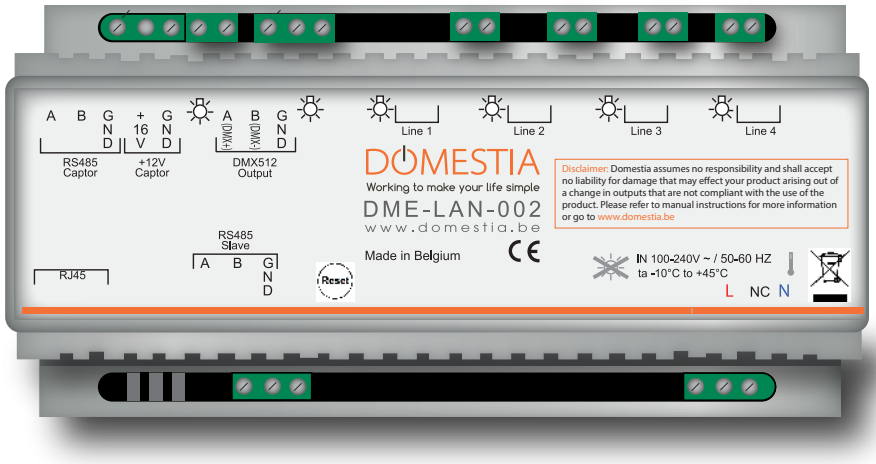
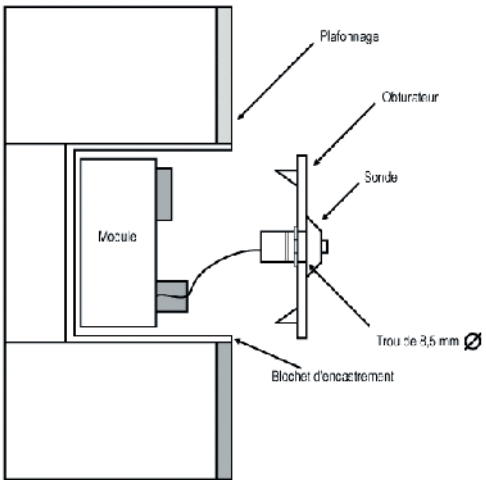
Connection





Sensor Placement :



1. FUNCTIONING

The DMCT-001-001 / DMCS-001-001 modules are designed to work with a DME-LAN-002 board.

Several sensors can be paralleled: in this case, it is necessary to set a different address for each sensor. The maximum limit of elements that can be resumed on the RS485 bus is 32 sensors.

The DMCT-001-001 module comes with a digital temperature sensor. It can also work with an analog temperature sensor.

The temperature sensor allows the control of a heating system or an air conditioning system through contact (s) present (s) on a DMC card.

The DMCS-001-001 module is sold alone. It can work with a light or humidity sensor type 4-20mA or 1-10V type.

The brightness sensor allows the control of a dimmer (regulates the intensity of the lighting according to the set point in Lux).
The humidity sensor allows control of a relay on a DMC card.

Sensor programming is performed from the programming app Home manager of the DME-LAN-002: available on Windows, Android and IOS.

2. WIRING

Maximum distance with a UTP cable :

- If you choose to work with an open loop, the maximum distance is 20 meters for 16 sensors.
- If you wire in the star(radiating) manner (sensor to sensor), the maximale distance is 300 meters from point to point.

You may also use a larger section of cable to establish the connection to the different sensors.

3. INTEGRATION DE LA SONDE

The choice of placing the sensor is up to you. Ideally, the sensor should be placed on the wall and fixed to a face plate and contained in a switch box.
Method:

- Remove the probe from the module
- Drill a hole 8 mm in diameter
- Remove the probe nut
- Pass the probe in the hole
- Tighten the nut

- Connect the probe to the module
- Push everything back into the recessed wall

Ideally, the sensor should be placed between 130 and 150 cm from the floor to ensure optimal temperature measurement.

4. TECHNICAL CHARACTERISTICS

- Power supply 6 to 17 V.
- Communication Bus type RS485 maximum 1Km between the DME-LAN and the sensor.
- Temperature range : -50 à 50°C.
- Precision : 0,5°C.
- Consumption : 30mA.

5. WARRANTIES

Conditions of the warranty :

The basic warranty period of the product is 2 years from the date of receipt of your order.

Whatever the problem is with your item, keep your bill with the serial number, as this is the only document providing the guarantee.

The warranty does not apply in the following cases:

- Damage caused by improper use, abusive, improper maintenance or failure to comply with manufacturer's instructions in the operating instructions. Repair attempts made by the customer or an unauthorized third party. Damage resulting from accidents, catastrophies, or other causes for which Domestia can not be held responsible.
- Defect that does not affect the proper functioning or use of the equipment.

6. STANDARDS

EMISSION

- EN 55022 classe B Emission.
- 30-1000MHz radiated emission.
- 100/240V 150k-30MHz AC conducted emission.
- Disturbing current emission on the 150k-30MHz (current tester).
- EN 61000-3-2 Harmonic emission to 2kHz.
- EN 61000-3-3 Emission flicker.

IMMUNITY TESTS

HOUSING:

- EN 61000-4-2 electrostatic discharge 8kV / air (insulating part = housing) in criterion B.
- EN 61000-4-3 RF field immunity 80MHz-2GHz 10V / m in criterion B. 230V AC

BUS

- EN 61000-4-4 burst 2kV in criterion B.
- EN 61000-4-6 induced signals due to RF fields 150kHz-80MHz 3V in criteria A or 10V in criteria B.

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