The MOD-0400-N is a lighting control module that allows to dimming and monitoring of 1 halogen or incandescent light sources of up to 250W.

This lighting circuit can be controlled locally via local push buttons and remotely via the vivimat® III home automation system.

**Technical characteristics**

- Number of circuits controlled: 1
- Control type: Dimming (0-20-40-60-80-100%)
- Light source operation voltage: 230VAC 50Hz
- Power supply: 14VDC (supplied by the vivimat® BUS)
- Consumption: 2W for a charge of 250W
- Charge types: Resistive / Capacitive
- Minimum charge: 30W
- Maximum charge: 250W
- Overcurrent and overvoltage protection
- Temperature range: -10°C / 40°C
- Compatible with vivimat® III
- LED status indication
- ID configuration in the BUS
- Panel installation
- DIN rail installation

Required adaptation kit ADP-0010 (NOT INCLUDED)
1 light dimming module

**Dimensions**

- Width: 25 mm
- Height: 70 mm
- Depth: 70 mm
- Width: 44 mm
- Height: 70 mm

**Connections**

- **BUS vivimat®**
  - **GND vivimat® BUS**
  - **data vivimat® BUS**
  - **+V vivimat® BUS**
  - **Local switch inputs**
  - **Controlled circuit**
  - **Phase**
  - **Neuter**

- **Ferrite (close to MOD-0400-N <10 cm)**

- Wiring: **vivimat®** Bus wire hose of 4x0.22mm² N, L, \( \otimes \), \( \otimes \): 1.5mm² cable

- **230VAC / 50 Hz**

**Wiring Diagram**

- **Ferrite**
- **Ferrite**
- **F**
- **N**

**Diagram Notes**

- Ferrite (close to MOD-0400-N <10 cm)
Configuration

**vivimat®** III can have up to 50 lighting modules (MOD-0400-N + MOD-0415-N). There are 2 options to determine the address of the MOD-0400-N module in the **vivimat®** BUS:

1. Requesting the modules directly from the factory and indicating the required addresses.
2. Using a specific software to assign the addresses to the MOD-0400-N directly from your PC.

The addresses to be assigned to the modules will be configured with **vivimat®** project. It is not possible to have 2 modules of the same type with the same address.

The MOD-0400-N module can act as a master or slave module. In order to configure the ID and the operating mode (master / slave) you have to use the "MOD-0400-N ID Configurator". The module must be configured before its installation.

Functioning

**LOCAL CONTROL:**
Local control is carried out by on or more buttons connected in parallel (see connections). A short key press (less than 0.5 sec.) will switch on/off the lights (light circuit). Depending on the status:

- If the light is switched on, it will switch off the light
- If the light is switched off, it will switch on the light with the last luminosity level used.

A long key press regulates the intensity of the light source: In the panel you will just see the positions 0 - 20 - 40 - 60 - 80 - 100%

**REMOTE CONTROL:**
The control is carried out by the **vivimat®** home automation system BUS. It is possible to activate the following functions remotely:

- Switch on the lights.
- Switch off the lights.
- Regulates the intensity of the light
- Know the status of the lights (switched on in a determined luminosity/off)
- Configure the module.

The module prioritizes local orders to remote orders.

**LED STATUS INDICATION:**

1. Green blinking: Module operative.
2. Red blinking: Module in communication.
3. Red or green NOT illuminated: Problems with the module.
Installation recommendations

- **Installation corresponding to a > 100 x 100mm box:** The 100 x 100mm box is embedded in the wall of the housing. With 2 screws (NOT INCLUDED) we fix the MOD-0400-N to the box.

- **Installation in chassis:** The MOD-0400-N screws were you can see in the illustration.
1 light dimming module

IMPORTANT:

The module MOD-0400-N is only valid for controlling resistive loads (R) and electronic transformers that support reverse phase control (C). The module MOD-0400-N is not valid for controlling ferromagnetic transformers (L). Dinitel only guarantees a proper operation of the MOD-0400-N with the following certified models.

- OSRAM HALOTRONIC: HTM105/230 (105W) y HTM150/230 (150W)
- VS EST/60/12.635 (60W)

If you want to use a transformer which does not appear on this list, the installer should carry out tests on his own to verify that the processor is valid.

The maximum number of transformers that can be connected to one single MOD-0400-N depends on the characteristics of the electronic transformer. Depending on the brand and model you can connect up to 4 transformers to a MOD-0400-N not to exceeding a total power of 250W. The transformers must be of the same type and reference.

As a general rule is preferable to connect the smallest number of transformers to one single MOD-0400-N.

For example in order to control 3 halogen bulbs of 12V/50W, it is preferable to use an electronic transformer of 150W instead of 3 electronic transformers of 50W.