

ANALOG OUTPUT MODULE ANA01

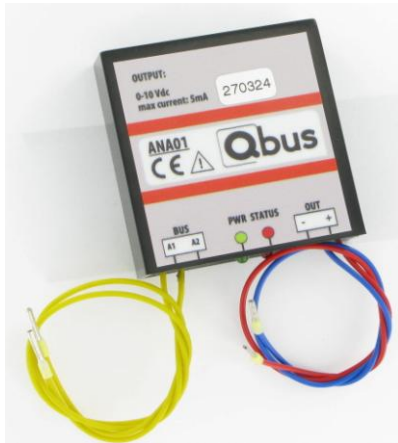


Figure 1 : Analog dimmer module ANA01

1. Product Description

Stand-alone module to be connected to the bus, suitable for controlling one analog dimmer operating with input voltages of 0/1-10V. The module is equipped with four wires, 2 yellow ones for the bus connection (no polarity) and a blue (-) and a red (+) wire for connection to the dimmer. A magnetic separation between the bus and output guarantees safe operation.

The ANA01 can be set in a dimmer mode or in a HVAC mode (to control 0-10V valves or motors).

The control and programming occurs following the same principle as a regular dimmer (DIM04). When you keep a button pressed in, the transit time from zero to maximum is 5.1secs. A short pulse (< 0.3secs.) will take the dimmer to zero or to the maximum value in 2.5secs. A minimum and maximum voltage can be set in the ANA01.

Each module has a unique serial number enabling programming anywhere and anytime.

2. Safety Instructions

Read the complete manual before carrying out the installation and activating the system.



WARNING

- The device must be mounted and commissioned by an authorised electrician in accordance with the country-specific regulations.
- The device may be used for permanent interior installations.
- The device must not be opened.

3. Mounting and wiring

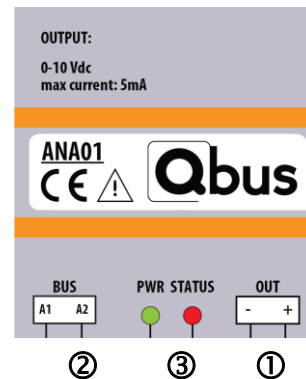


Figure 2 : Connection example for mains voltage and loads

INSTALLATION & BUS WIRING ①②:

Connect the yellow bus connection wires to the bus, the blue (-) and red (+) wires to the 0/1-10V input.

It is recommended to use the Qbus cable or any other cable with minimum 2 x 1mm² conductors as a bus lead. The green protected EIB wire is also allowed when the conductors are guided per 2 in order to obtain a section of minimum 2 x 1mm².

IMPORTANT : THE BUS CABLE SHOULD BE SHIELDED AND GROUNDED! THE GROUNDING SHOULD BE CONNECTED TO THE OVERALL GROUNDING OF THE BUILDING.

The ANA01 module is powered via the bus

LED INDICATION ③ :

Green light : power supply.

Red light : start-up 2 seconds and during programming.

4. Technical Data

GENERAL SPECIFICATIONS :

- Power supply : bus connection
- Ambient temperature :
Working temp. range : 10°C to 50°C
Storage temp. range : -10°C to 60°C
- Maximum humidity : 93%, no moisture condensation
- Bus load : 15mA at nominal 13,8V
- Max installation altitude : 2.000m

OUTPUT :

- analog output 0/1-10V, maximum 5mA

PHYSICAL SPECIFICATIONS

- Housing : Plastic housing – filled with resin
- Protection Degree : IP66, EN 60529

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- Dimensions (HxWxL) : 15mm x 48mm x 52mm
- Weight : approx. 0,052 kg

ELECTRICAL SAFETY

- Bus : 13,8VDC safety extra low voltage (according EN 60950 – 1:2006)
- Non-toxic WEEE/RoHS compliant

CE

- Complies with the EMC regulations and low voltage regulations. The device complies with HBES – EN 50090-2-2 and EN 60950 – 1 : 2006.

5. Guarantee provisions

Period of guarantee : 2 years from date of delivery.

Guarantee will not be accepted if the device has been opened!

Any faulty devices should be send postage-free with a description of the defect to our central customer service office :

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