ANALOG OUTPUT MODULE ANA01

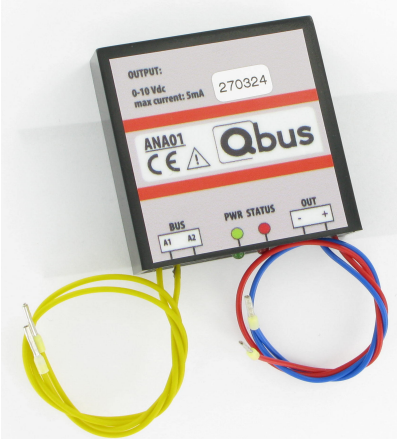

Figure 1 : Analog dimmer module ANA01

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

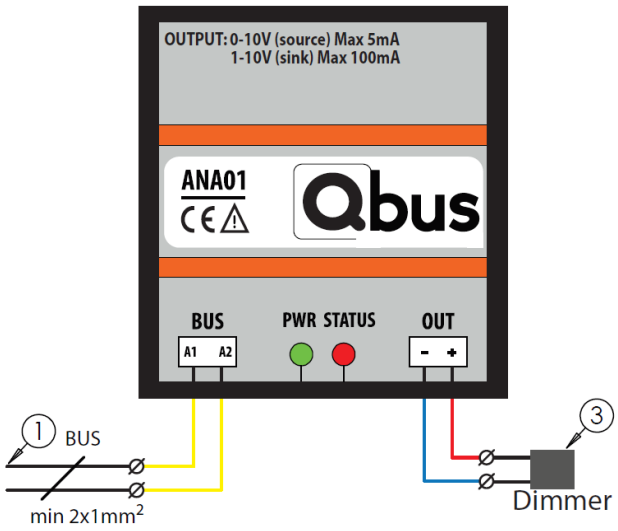

Figure 2 : Connection example for mains voltage and loads

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

ANALOG OUTPUT MODULE ANA01

OUTPUT :

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

PHYSICAL SPECIFICATIONS

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

- Qbus declares that this product complies with all applicable European directives and regulations
- The EU-conformity declarations can be consulted on our website www.qbus.be

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 :

QBUS N.V.
Joseph Cardijnstraat 19
9420 Erpe-Mere
Belgium
T +32 53 60 72 10
F +32 53 60 72 19
Email : support@qbus.be