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# AAE-410

# Analog Actuator Extension 4 channels 0-10V Datasheet

## 1. DESCRIPTION

The Universal KNX Actuator System is a fully modular actuator system where extension modules can be plugged-in to extend the number of channels as needed. Up to 72 channels can be combined for switching, shutter or blind, heating, dimming, analog 0-10V or LED drivers with various size and power.

Up to 8 extension modules can be added to the master actuator. Depending on the extension type, you can drive **up to 72 outputs** with the actuator system using a **single KNX interface.**

The AAE-410 extension module has 4 channels (A to D) to control 0-10V electric loads. Each channel can be configured as an analog output, temperature control, dimmer, RGB or RGBW channel.

Extension modules are mounted on the right side of the master actuator, on the same DIN-rail using the provided side connector.

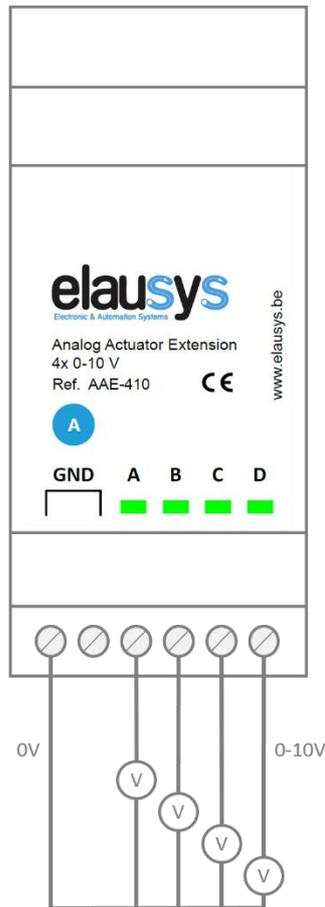In ETS, select the following extension type:

**Analog Actuator 4-fold**

See MSA-810 User Manual for detailed features of each channel for this type of extension.

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## 2. CONNECTION

The load is connected between the module output and one of the ground terminals (GND). See below the example of 4 loads connected on channels A to D.

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## 3. TECHNICAL DATA

| DESCRIPTION | VALUES |
|---|---|
| Power supply | Internally from master actuator |
| Operating temperature | 0 to + 45°C |
| Enclosure | IP20 |
| Dimensions (Space Units) | 2SU |
| Outputs | 4 |
| Output rated voltage | 10 VDC |
| Rated load | 0-10VDC, max. 2mA/Channel |
| Max cable lenght | < 30m |
| Screw terminal section | 2,5mm² |
| Torque screw terminal | 0,5Nm |
| Max. extension modules | 8 |
| Max. number of channels | 72 |
| Available application software | ETS4 (limited functions) / ETS5 (full functions) |