



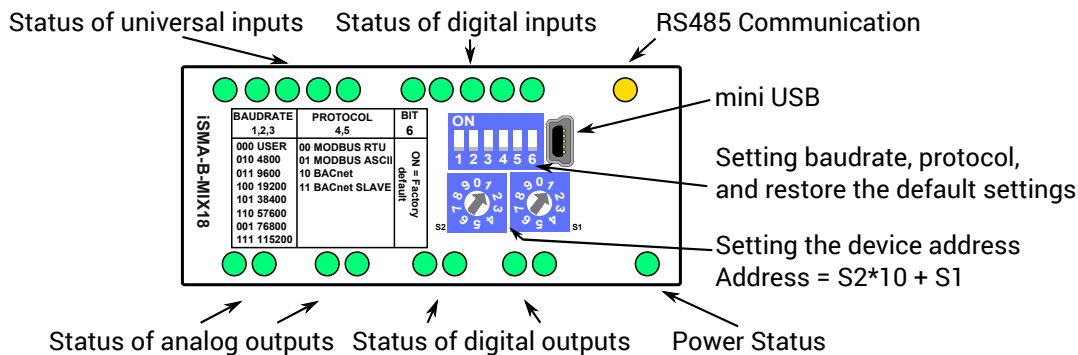
**iSMA**  
**iSMA-B-MIX18**



Version: 2.0

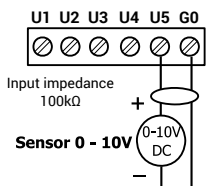
| SPECIFICATION             |                                                                                                         |
|---------------------------|---------------------------------------------------------------------------------------------------------|
| Supply                    | DC: 24V ± 20%, 3W; AC: 24V ± 20%, 4.5VA                                                                 |
| Universal inputs          | 5 - voltage, current and resistance measurement, dry contact                                            |
| Digital inputs            | 5 - dry contact input, high-speed pulse counter up to 100Hz                                             |
| Analog outputs            | 4 - 0-10V DC output, maximum load up to 20mA                                                            |
| Digital outputs           | 4 - relay output; Resistive load max. 3A@230VAC, 3A@30VDC<br>Inductive load max. 75VA@230VAC, 30W@30VDC |
| Interface                 | RS485, MODBUS or BACnet, up to 99 devices on the bus                                                    |
| Address                   | Set by switch in range from 0 to 99                                                                     |
| Baudrate                  | Set by switch in range from 2400 to 115200 bps                                                          |
| Ingress Protection Rating | IP40 - for indoor installation                                                                          |
| Temperature               | Operating: -10°C to +50°C; Storage: -40°C to +85°C                                                      |
| Relative humidity         | 5 to 95% RH (without condensation)                                                                      |
| Connectors                | Separable, max 2.5mm <sup>2</sup>                                                                       |
| Dimension                 | 160mm x 110mm x 62mm                                                                                    |
| Mounting                  | DIN rail mounting (DIN EN 50022 norm)                                                                   |
| Housing material          | Plastic, self-extinguishing PC/ABS                                                                      |

**TOP PANEL**

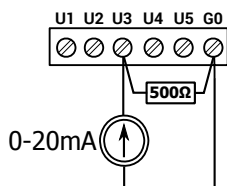


**UNIVERSAL INPUTS**

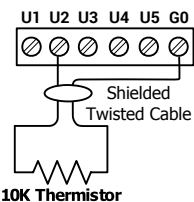
**Voltage measurement**



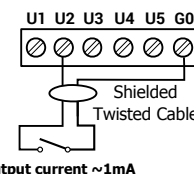
**Current measurement**



**Temp. measurement**

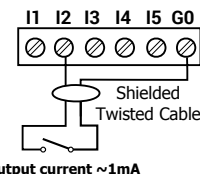


**Dry Contact Input**



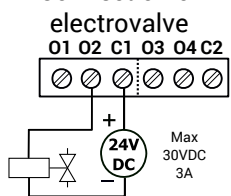
**DIGITAL INPUTS**

**Dry Contact Input**

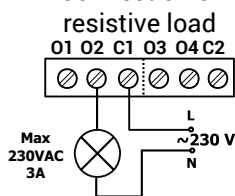


**DIGITAL OUTPUTS**

**Connection of electrovalve**

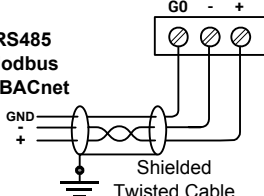


**Connection of resistive load**



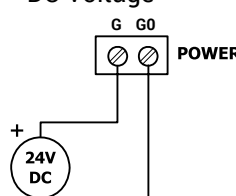
**COMMUNICATION**

**RS485 Modbus or BACnet**

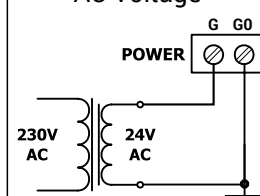


**POWER SUPPLY**

**DC Voltage**

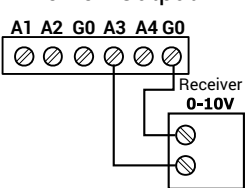


**AC Voltage**

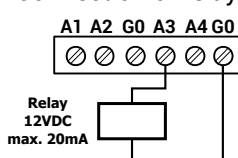


**ANALOG OUTPUTS**

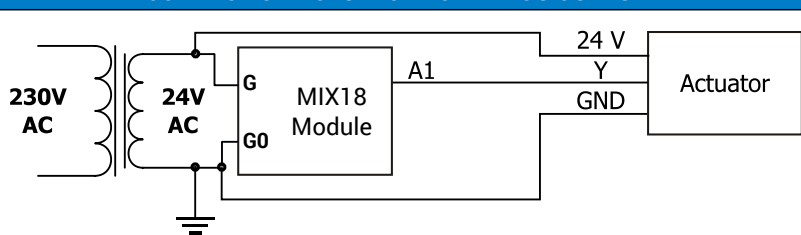
**0-10V Output**



**Connection of relay**



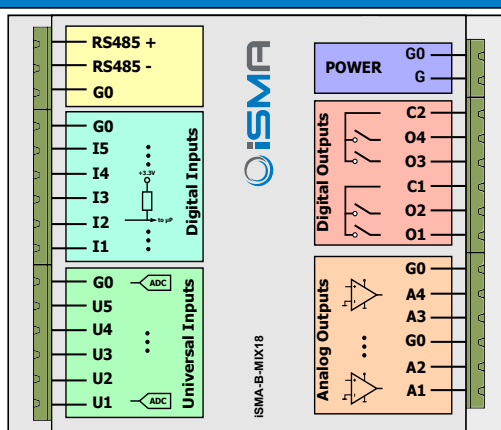
**CONNECTION ACTUATOR TO ANALOG OUTPUT**



**WARNING**

- Note, an incorrect wiring of this product can damage it and lead to other hazards. Make sure the product has been correctly wired before turning the power ON.
- Before wiring, or removing / mounting the product, be sure to turn the power OFF. Failure to do so might cause electric shock.
- Do not touch electrically charged parts such as the power terminals. Doing so might cause electric shock.
- Do not disassemble the product. Doing so might cause electric shock or faulty operation.
- Use the product within the operating ranges recommended in the specification (temperature, humidity, voltage, shock, mounting direction, atmosphere etc.). Failure to do so might cause fire or faulty operation.
- Firmly tighten the wires to the terminal. Insufficient tightening of the wires to the terminal might cause fire.

**TERMINALS OF THE DEVICE**



All G0 signals are connected together internally