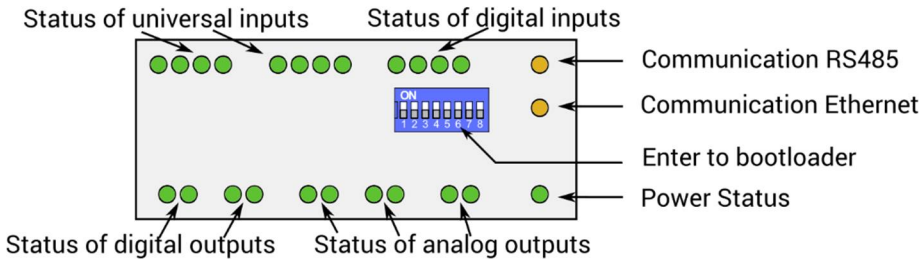
Intelligent Solution Managing Automation

iSMA-B-AAC20-M

version 2.0

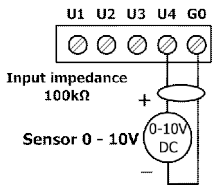
SPECIFICATION	
Supply	DC: 24 V ± 20%, 7 W; AC: 24 V ± 20%, 10.5 VA
Universal inputs	8 - voltage, current, resistance and temperature measurement, dry contact
Digital inputs	4 - dry contact input, high-speed pulse counter up to 100 Hz
Digital outputs	4 - relay output; Resistive load max. 3 A @ 230 V AC, 3 A @ 30 V DC Inductive load max. 75 VA @ 230 V AC, 30 W @ 30 V DC
Analog outputs	6 - 0-10 V DC output, maximum load up to 20 mA (A6 up to 5 mA)
Processor	Cortex M4 + M0 (204 MHz), Sedona Virtual Machine 1.2.28
Interface	2x Ethernet, RS485, Host USB, 1Wire, Display Port, **M-Bus (max 20 devices)**
Ingress Protection	IP40 - for indoor installation
Temperature	Operating: -10°C do +50°C; Storage -40°C do +85°C
Relative Humidity	5 to 95% RH (without condensation)
Connectors	Separable 2.5 mm²
Dimensions	106 x 110 x 62 mm
Mounting	DIN rail mounting (DIN EN 50022 norm)
Housing material	Plastic, self-extinguishing PC/ABS

TOP PANEL

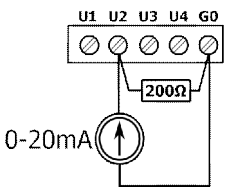


UNIVERSAL INPUTS

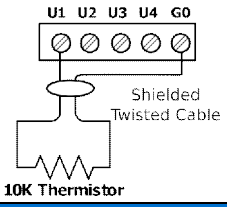
Voltage measurement



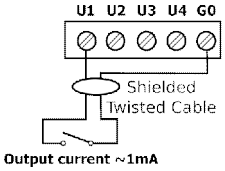
Current measurement



Temp. measurement

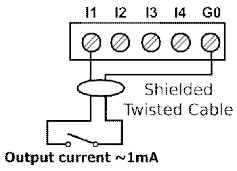


Dry Contact Input



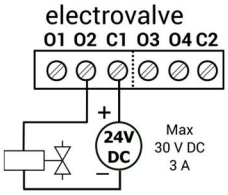
DIGITAL INPUTS

Dry Contact Input

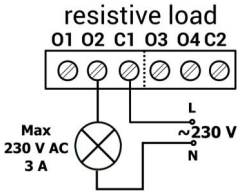


DIGITAL OUTPUTS

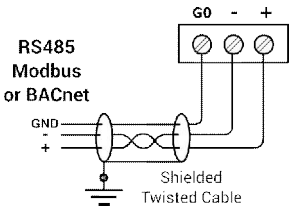
Connection of electrovalve



Connection of resistive load

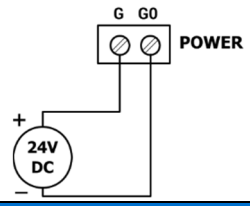


COMMUNICATION

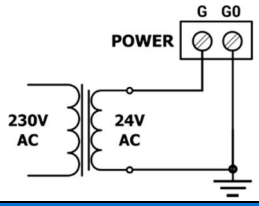


POWER SUPPLY

DC Voltage

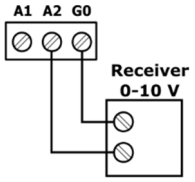


AC Voltage

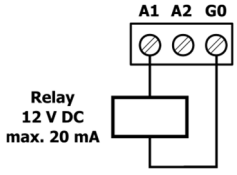


ANALOG OUTPUTS

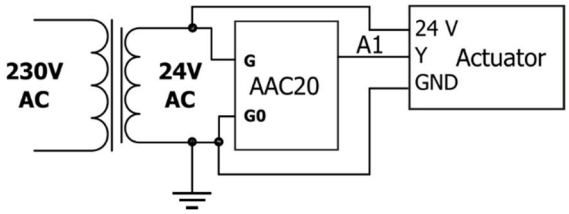
0-10 V Output



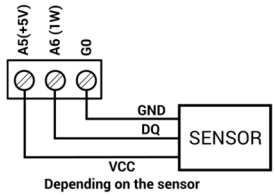
Connection of relay



CONNECTION ACTUATOR TO ANALOG OUTPUT



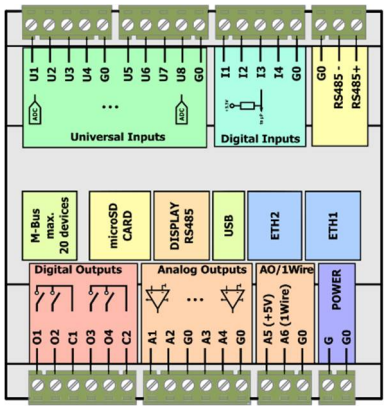
1WIRE



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.

BLOCK DIAGRAM



M-Bus