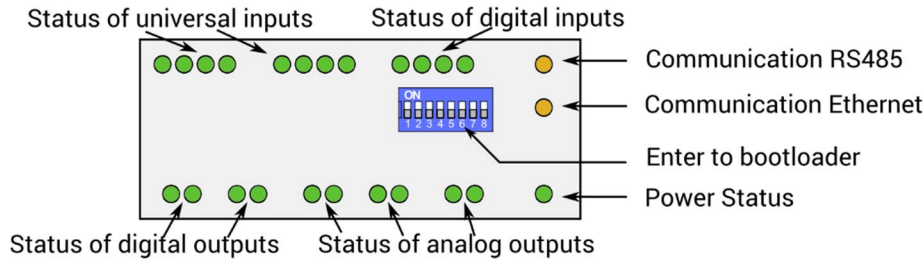


# iSMA-B-AAC20-D



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	2 x Ethernet, RS485, Host USB, 1Wire, Display Port, DALI with PS max. 130 mA
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 mm <sup>2</sup>
Dimensions	106 x 110 x 62 mm
Mounting	DIN rail mounting (DIN EN 50022 norm)
Housing material	Plastic, self-extinguishing PC/ABS

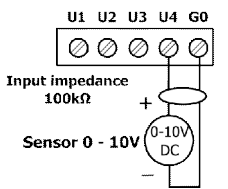
## TOP PANEL



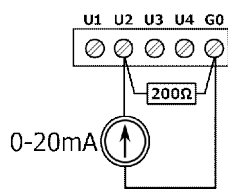
## UNIVERSAL INPUTS

## DIGITAL INPUTS

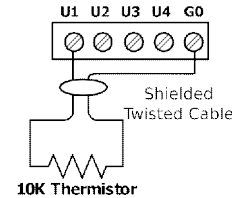
### Voltage measurement



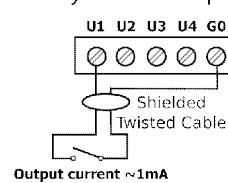
### Current measurement



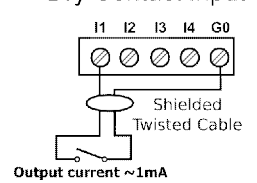
### Temp. measurement



### Dry Contact Input



### Dry Contact Input

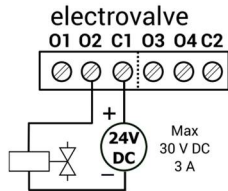


## DIGITAL OUTPUTS

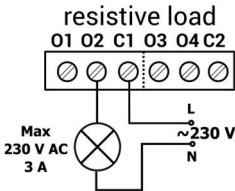
## COMMUNICATION

## POWER SUPPLY

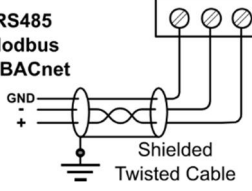
### Connection of electrovalve



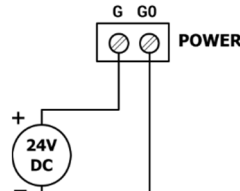
### Connection of resistive load



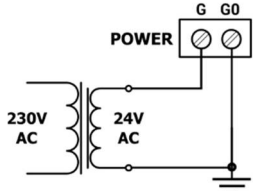
### RS485 Modbus or BACnet



### DC Voltage



### AC Voltage

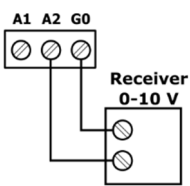


## ANALOG OUTPUTS

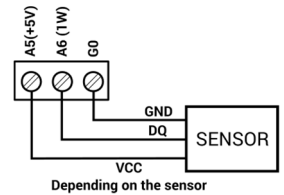
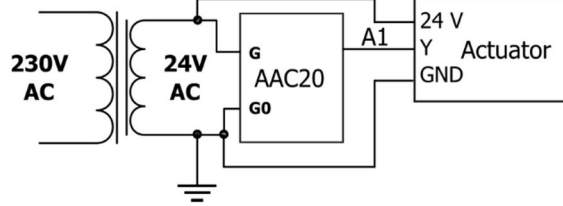
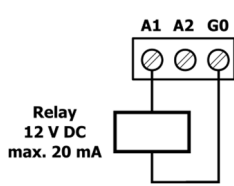
## CONNECTION ACTUATOR TO ANALOG OUTPUT

## 1WIRE

### 0-10 V Output



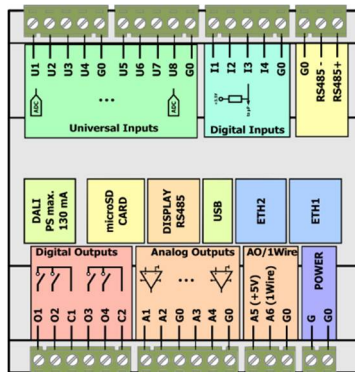
### Connection of relay



## 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



## DALI

