

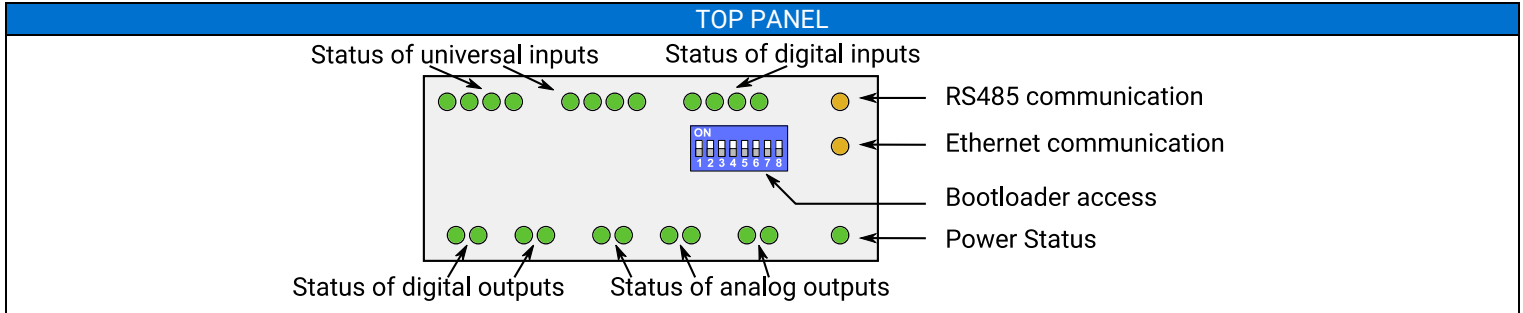
iSMA-B-AAC20

iSMA-B-AAC20-D

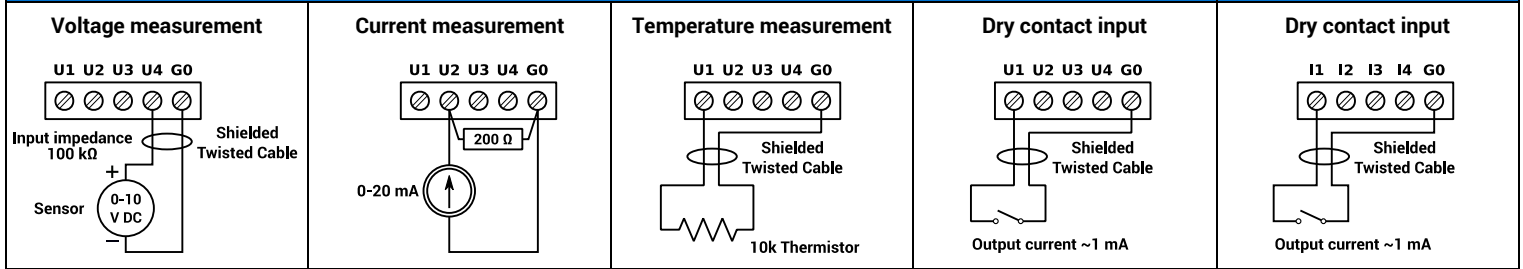
iSMA-B-AAC20-M



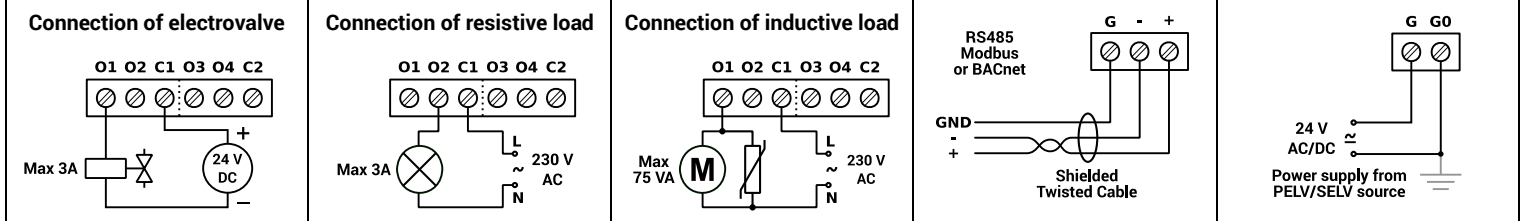
SPECIFICATION		
Power Supply	DC: 24 V ± 20%, 5 W/*7 W; AC: 24 V ± 20%, 7.5 VA/*10,5 VA (*with extension)	
Universal inputs	8 - voltage, current, resistance and temperature measurement, dry contact	
Digital inputs	4 - dry contact input, high-speed pulse counter up to 100 Hz	
Digital outputs	4 - relay 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	Standard	2x Ethernet, RS485, Host USB, 1-Wire, RJ12 connector
	Extensions	DALI (opto-isolated, power supply for 130 mA max.) M-Bus (opto-isolated, power supply for 20 devices max.)
Ingress Protection	IP40 - for indoor installation	
Temperature	Operating: -10°C to +50°C (14°F to 122°F) Storage: -40°C to +85°C (-40°F to +185°F)	
Relative Humidity	5 to 95% RH (without condensation)	
Connectors	Separable max 2.5 mm ² (18 - 12 AWG)	
Dimensions	106 x 110 x 62 mm (4.17 x 4.33 x 2.44 in)	
Mounting	DIN rail mounting (DIN EN 50022 norm)	
Housing material	Plastic, self-extinguishing PC/ABS	



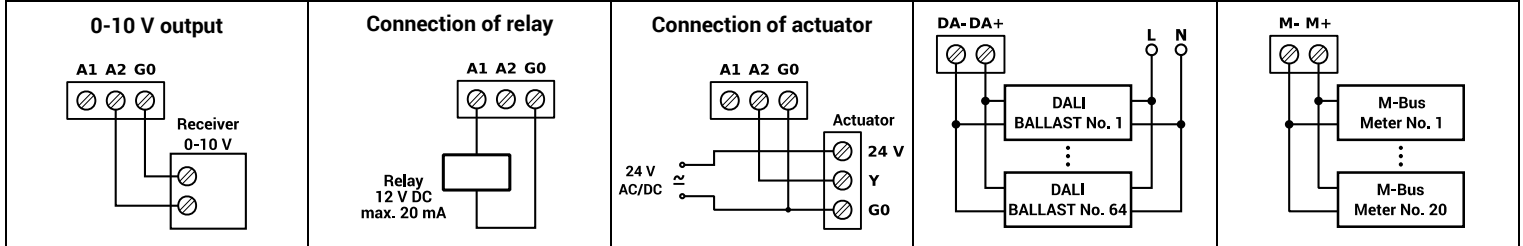
UNIVERSAL INPUTS



DIGITAL OUTPUTS



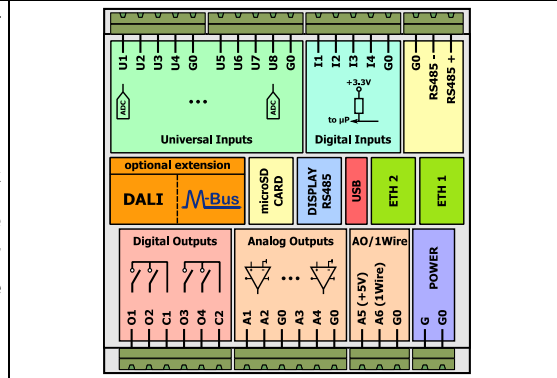
ANALOG OUTPUTS



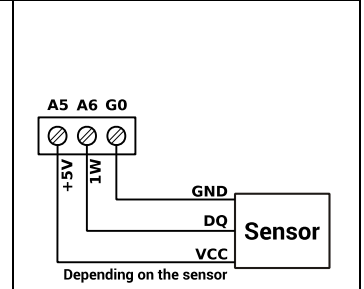
WARNING

- 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



1-WIRE



FCC COMPLIANCE NOTE

Note: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

WIRING

- Line power cables must be routed with spatial separation from signal and data transmission cables.
- Analog and digital signal cables should also be separated.
- It is recommended to use shielded cables for analog signals, cable shields should not be interrupted by intermediate terminals.
- The shielding should be earthed directly after the cable enters the cabinet.
- It is recommended to install interference suppressors when switching inductive loads (e.g. coils of contactors, relays, solenoid valves). RC snubbers or varistors are suitable for AC voltage and freewheeling diodes for DC voltage loads. The suppressing elements must be connected as close to the coil as possible