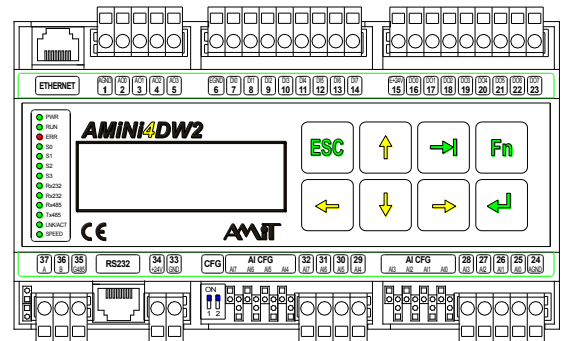


# AMiNi4DW2

Compact control system with display

- 8 × DI digital output 24 V/0.3 A DC
- 8 × DI digital input 24 V DC/AC
- 8 × analogue input U/I/Ni1000/Pt1000
- 4 × analogue output 0 V to 10 V
- RS232, RS485 DI, Ethernet 10/100 Mbps
- Integrated web server
- Micro SD card slot
- DIN 35 mm rail mounting
- LCD display (122 × 32) pixels, keyboard



## TECHNICAL DATA

<b>CPU procedural/communication</b>	ST10F269/STM32F207
Flash memory	2 MB + 256 KB
RAM (backed-up)	1024 KB
RAM + RTC back-up	Lithium battery Panasonic, 5 years
Slot for memory card	Micro SD
<b>Inputs</b>	8 × DI + 8 × AI
Digital inputs	24 V AC/DC
Analogue inputs	0 V to 5 V/0 V to 10 V/0 mA to 20 mA/ / Ni1000/Pt1000
Galvanic isolation of digital inputs	Yes *)
Galvanic isolation of analogue inputs	No
<b>Outputs</b>	8 × DO + 4 × AO
Digital outputs	24 V/0.3 A DC
Analogue outputs	0 V to 10 V (max. 10 mA)
Galvanic isolation of digital outputs	Yes *)
Galvanic isolation of analogue outputs	No
<b>Communication</b>	
Serial communication channel	1 × RS232 (RJ45), according to EIA-561 1 × RS485 (Connectors WAGO)
Ethernet	10/100 Mbps, RJ45, according to IEEE802.3
RS232 galvanic isolation	No
RS485 galvanic isolation	Yes *)
<b>Power supply</b>	19.2 V DC to 28.8 V DC
Power consumption (without output load)	Max. 200 mA at 24 V DC
Reference voltage	Internal 5.000 V DC ±1 mV
<b>Others</b>	
Display	Graphic, (122 × 32) pixels
Keyboard	8 buttons
Signal connection	Cage clamps WAGO 231
Ingress protection rate	IP20
Operating temperature	0 °C to 50 °C
Maximum ambient humidity	< 95 % non-condensing
Mounting	DIN rail 35 mm
Weight	500 g
Dimensions (w × h × d)	(160 × 98 × 74) mm

\*) Insulation strength 300 V AC/1 minute, galvanic isolation must not be used for safe and unsafe parts separation.

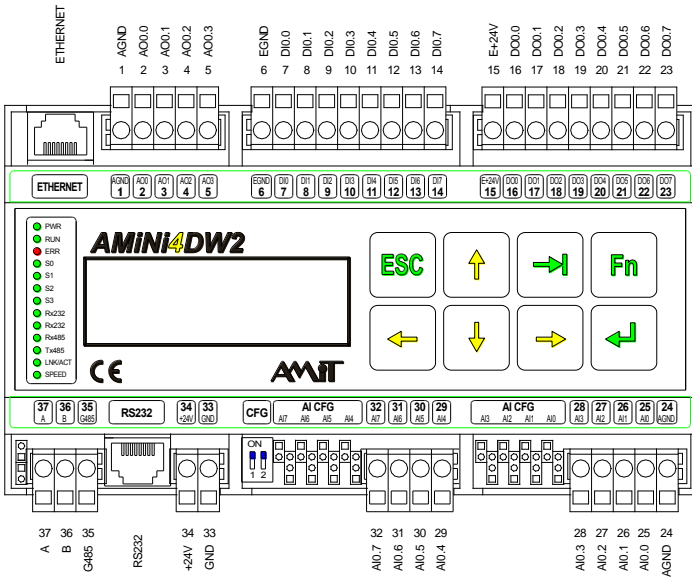
## ORDERING INFORMATION

<b>AMiNi4DW2</b>	Control system, connectors WAGO
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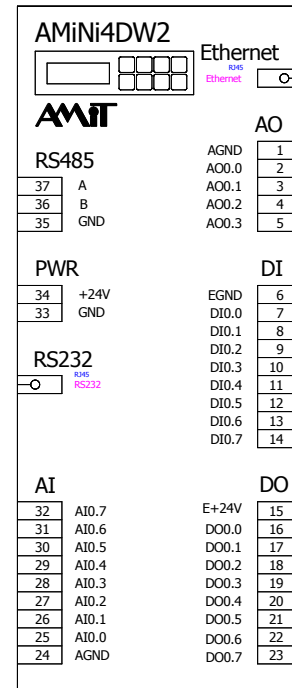
## TERMINALS IDENTIFICATION

Analogue outputs	<b>AO</b>	4 × 10-bit analogue output without GI	1 to 5
Digital inputs	<b>DI</b>	8 × galvanically isolated input	6 to 14
Digital outputs	<b>DO</b>	8 × galvanically isolated output	15 to 23
Analogue inputs	<b>AI</b>	8 × 10-bit analogue input without GI	24 to 32
Power supply	<b>PWR</b>	power supply 24 V DC	33 to 34
Communication	<b>RS485</b>		35 to 37

## LOCATION OF TERMINALS

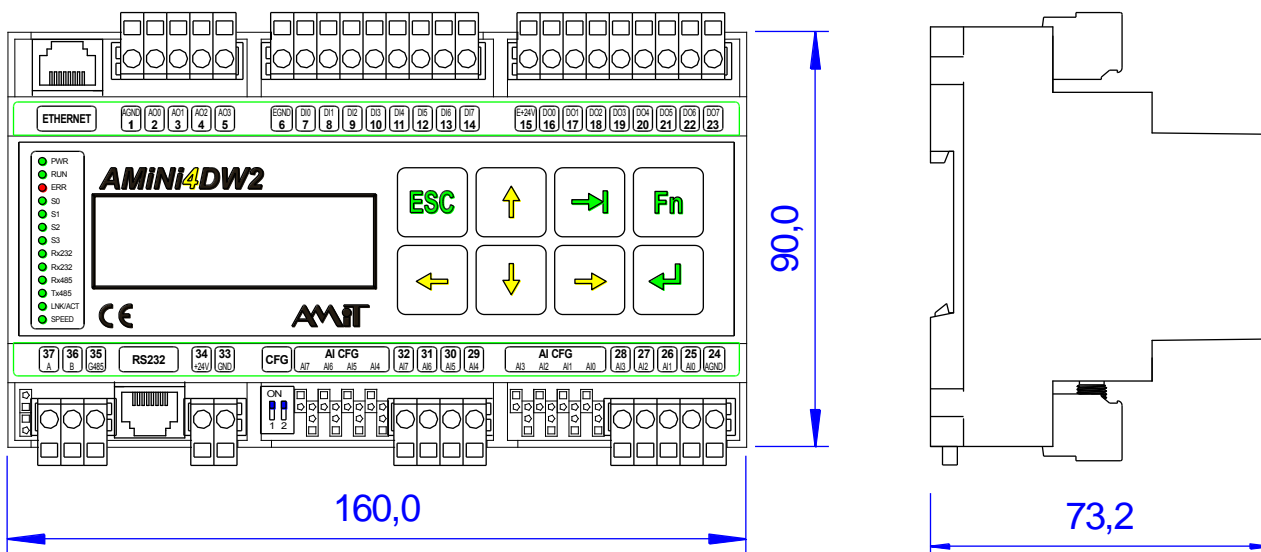


## RECOMMENDED DRAWING SYMBOL



Note: GND, AGND and RS232 – GND terminals are internally connected

## MECHANICAL DIMENSIONS



Detailed information can be found in operational manual ([amini4dw2\\_g\\_en\\_xxx.pdf](#)). Documentation and examples can be downloaded from [www.amitautomation.com](http://www.amitautomation.com).