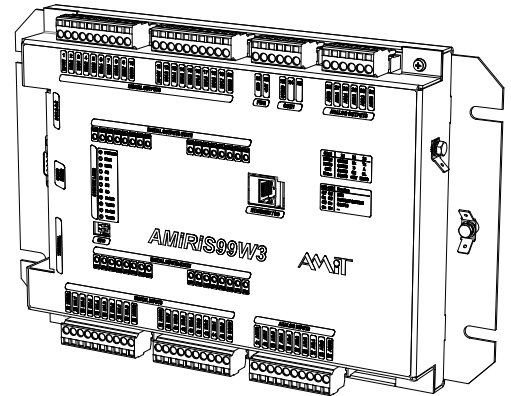


# AMiRiS99W3

Compact control system

- 16× digital input 24 V GI
- 16× digital output 24 V/0.5 A GI
- 8× analogue input U/I/RTD
- 0/2/4 analogue inputs U/I
- Ethernet 10/100 Mbps, RS232
- Optional RS485/CAN/M-Bus/RS232
- Integrated webserver, micro SD card slot
- Allows to connect terminal APT130 (4 × 20 chars)
- Power supply 24 V DC
- Programmable in DetStudio



## TECHNICAL DATA

<b>CPU</b>	
Memory Flash / RAM / EEPROM	256 KB + 2,048 KB / 1,024 KB / 32 KB
<b>Inputs</b>	16× DI + 8× AI
Digital inputs	24 V DC/AC
Analogue inputs	(0 to 10) V DC / (0 to 5) V DC / (0 to 20) mA DC / RTD
GI of digital inputs	Yes <sup>1)</sup>
GI of analogue inputs	No
<b>Outputs</b>	16× DO + max. 4× AO <sup>2)</sup>
Digital outputs with GI <sup>1)</sup>	16× 24 V/0.5 A DC
Analogue outputs without GI – with module AM-AO2U – with module AM-AO2I	(0 to 10) V DC, maximum load 10 mA (0 to 20) mA DC, maximum impedance 500 Ω
<b>Communication</b>	
Serial communication channel	1× RS232 (D-sub DE-9)
Ethernet	1× 10/100 Mbps (RJ45), in accordance with IEEE802.3
Optional interfaces on the module	RS485 (with module AM-RS485) CAN (with module AM-CAN) RS232 (with module AM-RS232) <sup>3)</sup> M-Bus (with module AM-MBUS/1-3)
<b>Power supply</b>	19.2 V DC to 28.8 V DC
Maximum consumption (without outputs)	400 mA at 24 V DC
<b>Other</b>	
Display + keyboard	Optional external terminal APT130 <sup>4)</sup>
Signal connection	Cage clamps WAGO 231
Ingress protection rate	IP20
Operating temperature range	-40 °C to 70 °C
Maximum ambient humidity	< 95 % non-condensing
Mounting	Onto switchboard base plate
Weight	2.04 kg
Dimensions (w × h × d)	(315 × 196 × 43) mm

<sup>1)</sup> Isolation strength 500 V AC/1 min., galvanic isolation must not be used for separation of dangerous voltages.

<sup>2)</sup> Maximum 2 modules, total 4 analogue outputs.

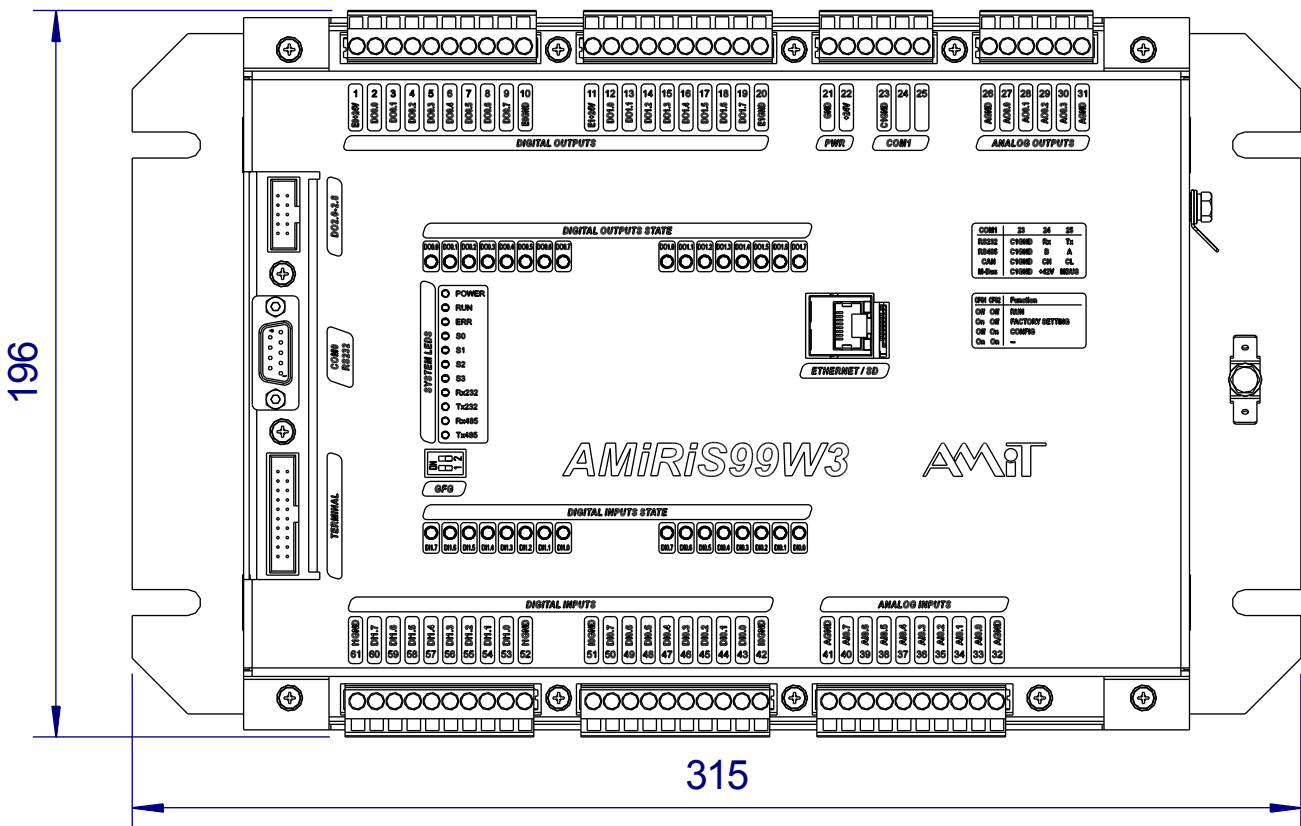
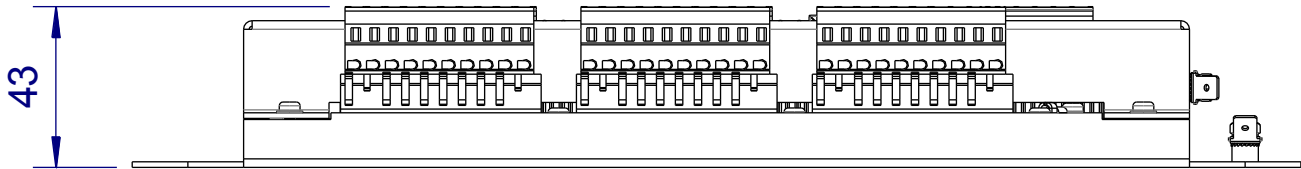
<sup>3)</sup> Only signals Rx, Tx.

<sup>4)</sup> Not included in the delivery.

## ORDERING INFORMATION

<b>AMiRS99W3</b>	Control system, connectors WAGO 231-xxx
<b>AM-AO2I</b>	Module of two analogue outputs (0 to 20) mA DC (max. 2 pcs AM-AO2x)
<b>AM-AO2U</b>	Module of two analogue outputs (0 to 10) V DC (max. 2 pcs AM-AO2x)
<b>AM-CAN</b>	Communication module for CAN with galvanic isolation
<b>AM-MBUS/1-3</b>	Communication module for M-Bus with galvanic isolation
<b>AM-RS232</b>	Communication module for RS232 without galvanic isolation, only Rx and Tx
<b>AM-RS485</b>	Communication module for RS485 with galvanic isolation

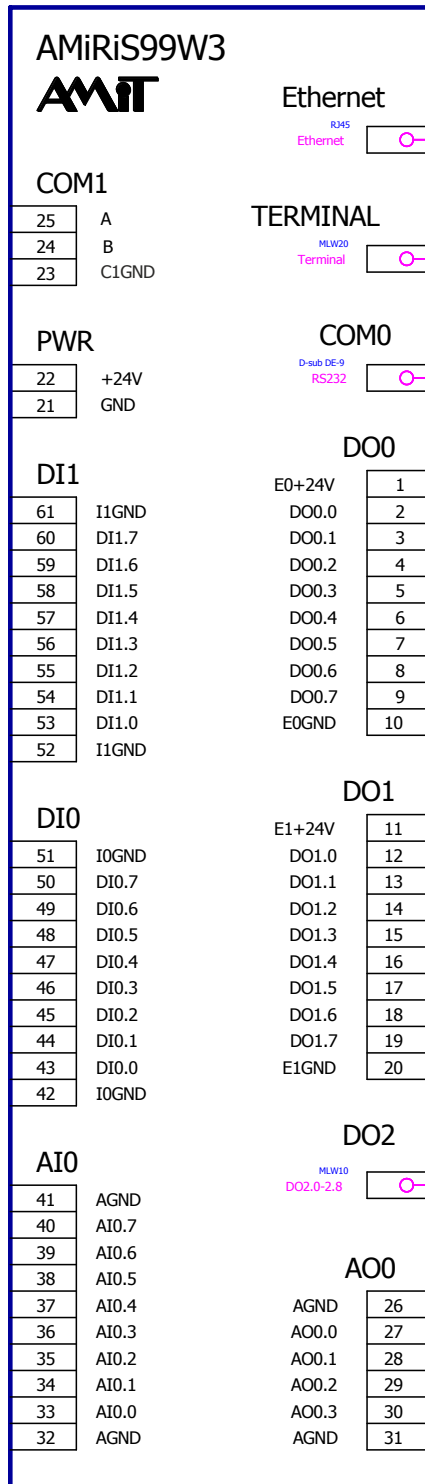
## MECHANICAL DIMENSIONS



# AMiRiS99W3

Compact control system

## RECOMMENDED DRAWING SYMBOL



Data provided in this datasheet is informative only. Binding detailed information can be found in the operation manual ([amiris99w3\\_g\\_en\\_xxx.pdf](#)). Documentation and examples are available for download at [amitautomation.com](http://amitautomation.com).