DATA SHEET

ADQUIO MINI

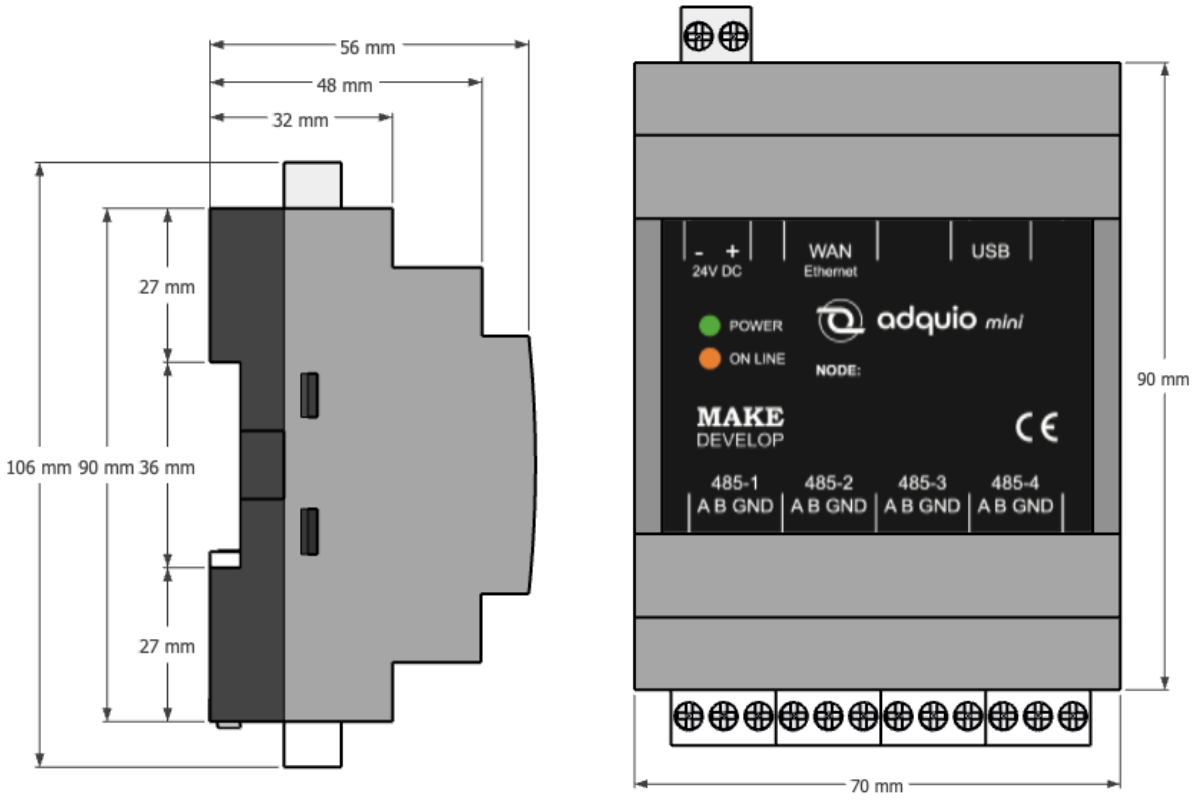
Programmable controller, actuator and datalogger

1 Ordering information

Reference	Description	Life cycle *
ADQ-4MBBN-1ETH	Adquio Mini, Java Script programmable controller, 1 WAN, 4 485, 1 USB	Active

* For planning and commissioning In new installations, use modules in Active state only

2 Dimensions



3 Technical data

Parameter		Value
Process voltage		
	Connections	Removable terminal block 5.08 Pitch 2 contacts
	Nominal value	24 VDC
	Maximum supported	28 VDC
	Protection against voltage reversal	Yes
	Nominal protection fuse up to	3 To

Consumption		
	From a 24V power supply	90-150 mA
	Maximum consumption	150 mA
	Maximum consumption peak at start-up	150 mA

CAUTION!
Exceeding the maximum power supply voltage for the process or supply voltages could cause irrecoverable damage to the system. The system could be destroyed.

CAUTION!!
Improper connection cables cause overheating at the terminals.
Acquio pro, they can be destroyed if the wrong cable type, cable size or cable temperature rating is used.

4 System data

4.1 Environmental conditions

Parameter		**Value**
Temperature		
	Operation	0 ° C ... + 60 ° C (Horizontal mounting on DIN rail)
	Storage	-40 ° C ... + 70 ° C
	Transport	-40 ° C ... + 70 ° C
Humidity		Max. 95% non-condensing
Air pressure		
	Operation	> 800 hPa / <2000 m
	Storage	> 600 hPa / <3500 m
Insulation		IP20

4.2 Mechanical data

Parameter	Value
Mounting	Horizontal
Protection level	IP20
Housing material	ABS UL-94-HB Dark gray
Mounting alternatives	
Rail DIN EN 50022 DIN	35 mm, depth 7.5 mm or 15 mm
mounting screws	Screw with a diameter of 4 mm
tightening torque	1.2 Nm

4.3 Protocols

Parameter	Value
Modbus	RTUClient TCPClient and server
BACnet	TCP MSTP

4.4 Communications

Parameter		Value
RS485		
	Number of ports	4
	Speed range	1200 bps to 115,200 bps
Ethernet		
	WAN ports	1

	Communication speed	100 Mb / s
USB		
	Number	1
	Technology	2.0
Wireless access point		
	Frequency	2.4 Ghz
	Active	For installation only if the device does not detect a WAN connection.

4.5 Certifications

Parameter	**Value**
Safety and Health	EN ISO 13849-1: 2015 EN ISO 13849-2: 2012 EN 62061: 2005 + A1: 2013 + A2: 2015 EN 60950-1: 2006 EN 62311: 2008
EMC	EN 61000-6-4 : 2007 + A1: 2011 EN 61000-6-2: 2005 ETSI EN 301 489-1 v2.2.0 ETSI EN 301 489-17 v3.2.0
Radio	ETSI-EN 300 328 v2.1.1 ETSI EN 301 893 v2.1.1
RoHS	EN 50581: 2012

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