

Produal Proxima® WBU - wireless base unit



Produal Proxima® WBU wireless base unit is designed for Produal wireless network. The base unit supports the following communication protocols: Modbus RTU and Modbus TCP. The base unit is built on the Produal PUMP® platform and can be expanded with additional modules for added functionality.

The base unit settings can be configured with Produal MyTool® Android application which speeds up the commissioning. The device configuration can be saved to Produal MyCloud cloud service by using the application.

Technical specifications

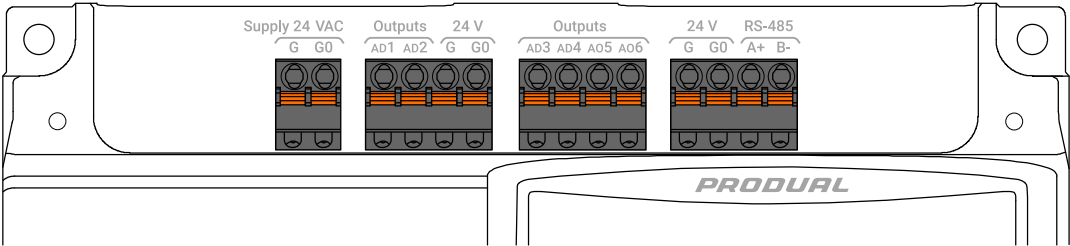
Property	Value
Supply	24 Vac/dc (22...26 V), < 7 VA
Network frequency	2,4 Ghz
Network range (maximum distance between devices)	up to 100 m indoors / up to 200 m in open air
Network size	up to 100 transmitters
	NOTE: The maximum number transmitters depend on the network structure. When approaching the maximum device count, the network speed will decrease.
Outputs	2 x 24 Vac supply output
Communication	Modbus RTU / Modbus TCP
	PUMP expansion socket
Default Ethernet network settings	
IP address	192.168.1.1
Subnet mask	255.255.255.0
Commissioning tool	Produal MyTool®
Operating conditions	
Temperature	-5...50 °C
Humidity	0...90 %rH (non-condensing)
Wiring terminals	1,5 mm ² , spring terminals
Mounting	on the wall surface or on 35 mm DIN rail



Property	Value
Housing	ABS, IP22
Dimensions (w x h x d)	186 x 136 x 55 mm

Wiring

Top connectors



Supply 24 VAC

G	24 Vac/dc supply.
G0	Ground

Outputs

AD1	Not in use
AD2	

24 V

G	24 Vac output.
G0	Ground

Outputs

AD3	Not in use
AD4	
AO5	
AO6	

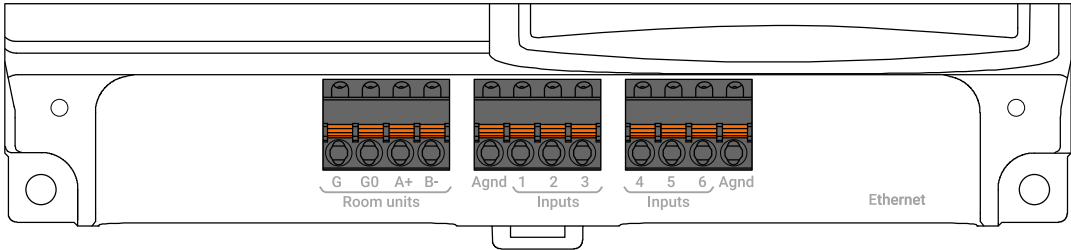
24 V

G	24 Vac output.
G0	Ground

RS-485

A+	RS-485 bus connection for Modbus RTU.
B-	

Bottom connectors



Room units

G	Not in use.
G0	
A+	
B-	

Inputs

Agnd	Not in use.
1	
2	
3	
4	
5	
6	
Agnd	

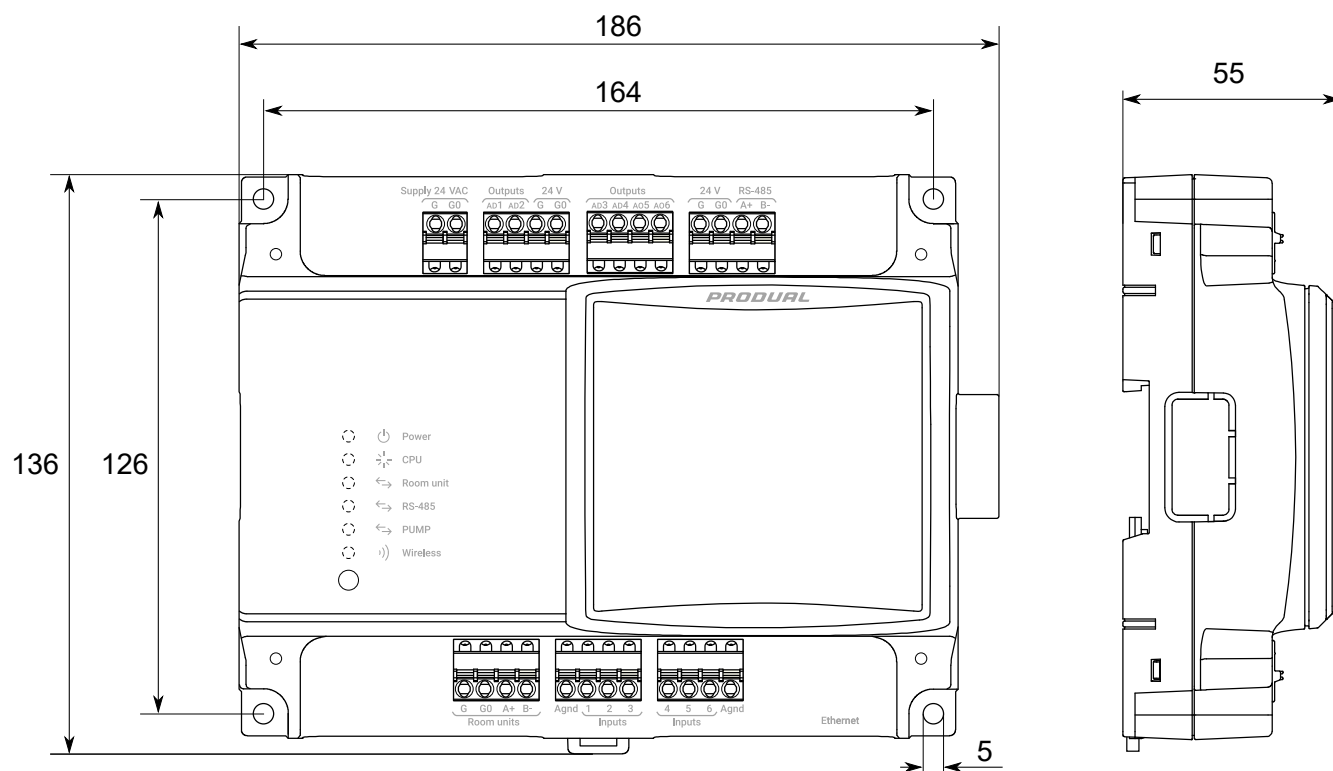
Ethernet

RJ-45 connector.

Ordering information

	Type	Product number	Description
	WBU	54011W0000	Wireless base unit, white
	CUCC	5201010400	Cable covers (includes two covers and four fixing screws)

Dimensions



Supported standards and directives

Standard	Description
2014/30/EU	Electromagnetic Compatibility (EMC).
2014/35/EU	Low Voltage Directive (LVD)
2014/53/EU	Radio Equipment Directive (RED)
2011/65/EU	Restriction of Hazardous Substances (RoHS2) Directive.
2000/299/EC	Classification of radio equipment: Class 1, Wideband data transmission systems (Subclass 22)
EN 60950	Safety of information technology equipment
EN 300 328 V2.1.1	Wideband transmission systems; Data transmission equipment operating in the 2,4 GHz ISM band and using wide band modulation techniques; Harmonised Standard covering the essential requirements of article 3.2 of directive 2014/53/EU
EN 301 489-1 V2.1.1	Electromagnetic Compatibility (EMC) standard for radio equipment and services; Part 1: Common technical requirements.
EN 301 489-17 V2.1.1	Electromagnetic Compatibility (EMC) standard for radio equipment and services; Part 17: Specific conditions for Broadband Data Transmission systems
EN 61000-6-2:2006	Electromagnetic compatibility (EMC) - Part 6-2: Generic standards - Immunity for industrial environments.
EN 61000-6-3:2007/A1:2011	Electromagnetic compatibility (EMC) - Part 6-3: Generic standards - Emission standard for residential, commercial and light-industrial environments.