

Submittal Data

PROJECT:	UNIT TAG:	QUANTITY:
REPRESENTATIVE: _____	TYPE OF SERVICE:	DATE: _____
ENGINEER:	SUBMITTED BY:	DATE:
CONTRACTOR:	APPROVED BY:	DATE:
	ORDER NO.:	DATE:



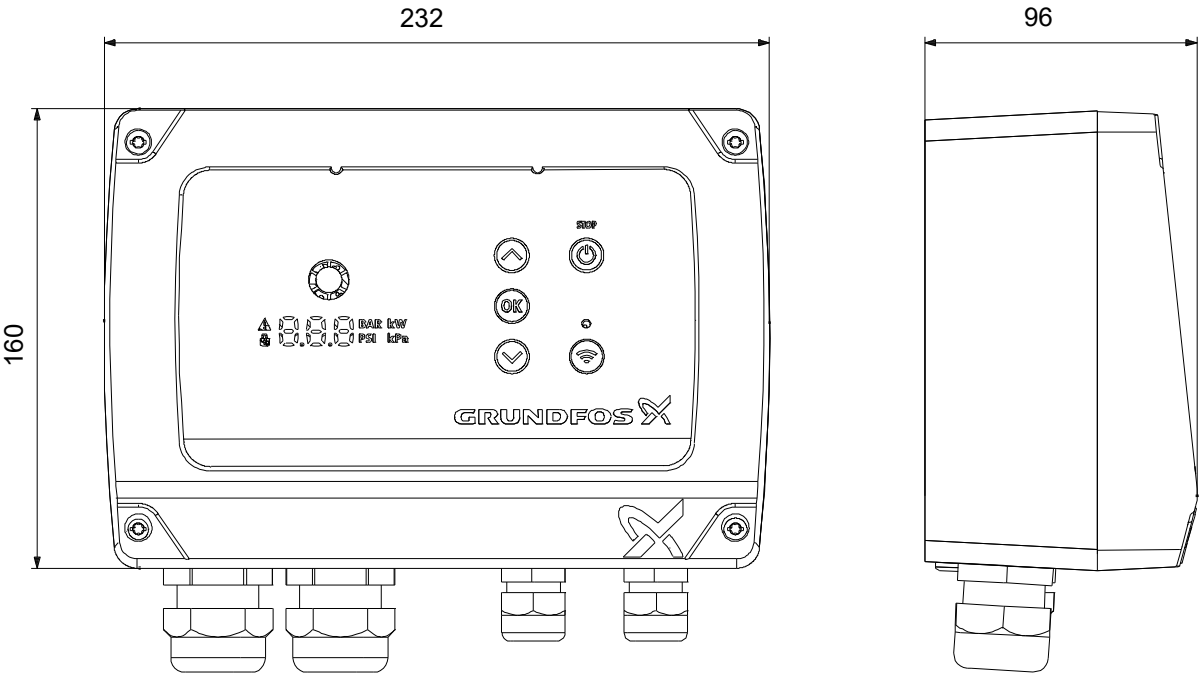
CU 302 UL

CU 302 is designed for monitoring and controlling SQE submersible pumps, for example, in constant pressure applications.

Note! Product picture may differ from actual product

Conditions of Service	Pump Data	Motor Data
	Maximum ambient temperature: 50 °C Product number: 92799799	Mains frequency: 60 Hz

Submittal Data



Materials:

Qty.	Description
1	CU 302 UL



Note! Product picture may differ from actual product

Product No.: [92799799](#)

CU 302 is designed for monitoring and controlling SQE submersible pumps in residential water supply applications.

The simple user interface and built-in Bluetooth module ensure easy installation and configuration. The Bluetooth connection to the Grundfos GO app offers extensive setup and monitoring options.

CU 302 is pre-configured for constant pressure, the most used application, offering a plug-and-pump solution, which saves time on commissioning.

For other applications, the controller provides several control modes, which can be selected and set through the Grundfos GO app.

Grundfos GO makes the configuration easier and allows installers to set up high-performing systems.

CU 302 communicates with the pump through the power cable. This communication principle is called mains borne signaling or powerline communication and means that no additional cables are required to the pump.

Grundfos GO offers detailed information and logs that help the installer to find the root cause in failure situations.

In addition, the controller can use Wi-Fi, GENIbus, or Modbus to monitor the system remotely either through Grundfos Connect or another SCADA system. Remote monitoring saves time when inspecting installations.

CU 302 is equipped with power and pump connections and offers 2 configurable inputs and outputs.

The display of the controller shows:

- System status indication
- Alarm and warning indication

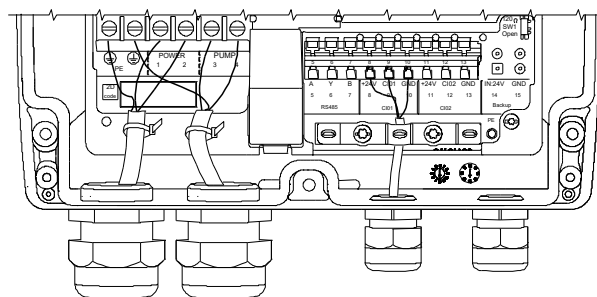
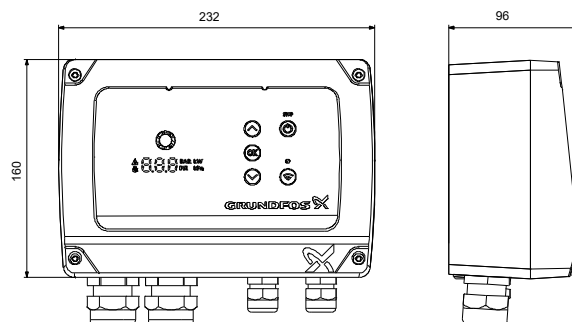
The pump can be turned on and off through the display of the controller. The controller can display a read-out of the application-related data. It is also possible to adjust the setpoint.

The following logs are available through Grundfos GO or remote monitoring:

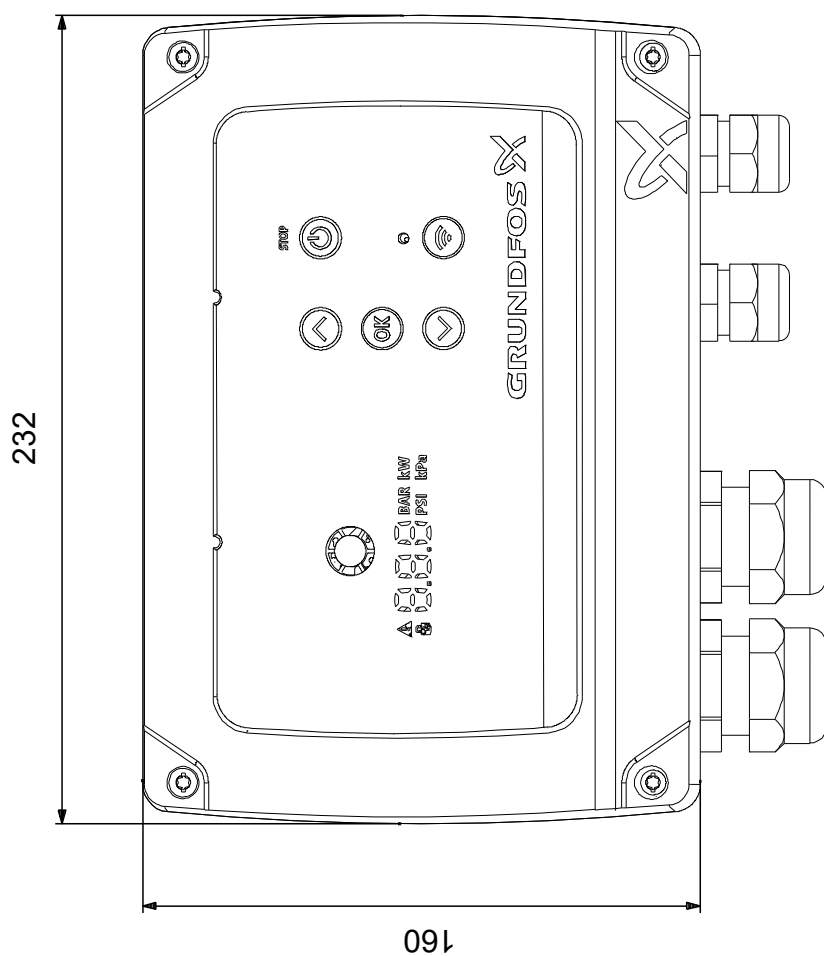
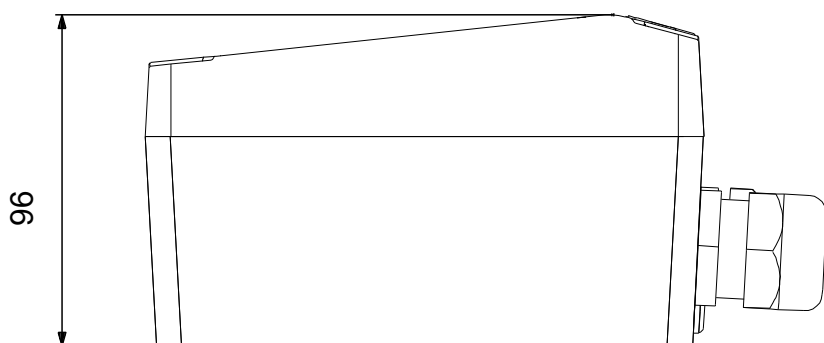
- Alarms and warnings (50 entries)
- Installation log (filled out by the installer)
- Historic data for different intervals (total, today, and yesterday) for:
 - Operation time
 - Number of starts
 - Energy consumption
 - Volume pumped (provided that a flow meter is connected)

CU 302 indicates warnings and alarms on the display of the controller. Additionally, the Grundfos GO app provides further information on these events including the recommended solutions.

Description	Value
General information:	
Product name:	CU 302 UL
Product No:	92799799
EAN number:	5715119769155
Technical:	
Approvals:	CE,EAC,RCM,CULUS,UK CA
Cable gland entry:	2x 1/2" conduits + 2xPG11
Materials:	
Cabinet:	Plastic
Installation:	
Range of ambient temperature:	-20 .. 50 °C
Relative humidity:	5-95 %
Cabinet mounting:	Wall mounting
Earth connection:	PE
Electrical data:	
Mains frequency:	60 Hz
Rated voltage:	1 x 90-240 V
Rated current:	12.5 A
Enclosure type:	1/3R
Back-up fuse required:	16 A
IEC code battery designations:	CR2032
Battery chemistry:	LITHIUM
Controls:	
Unit:	PSI
Pressure sensor:	N
Others:	
Communication protocol GENIbus (Yes/No):	Y
Communication protocol Modbus (Yes/No):	Y
Communication protocol BACnet (Yes/No):	N
Communication protocol Powerline (Yes/No):	Y
Wireless communication GlowPAN (Yes/No):	N
Wireless communication Wifi:	802.11G
Wireless communication Bluetooth:	BLE 5.0
Net weight:	1.24 kg
Gross weight:	1.51 kg
Shipping volume:	0.006 m³
Total height:	160 mm
Total width:	232 mm



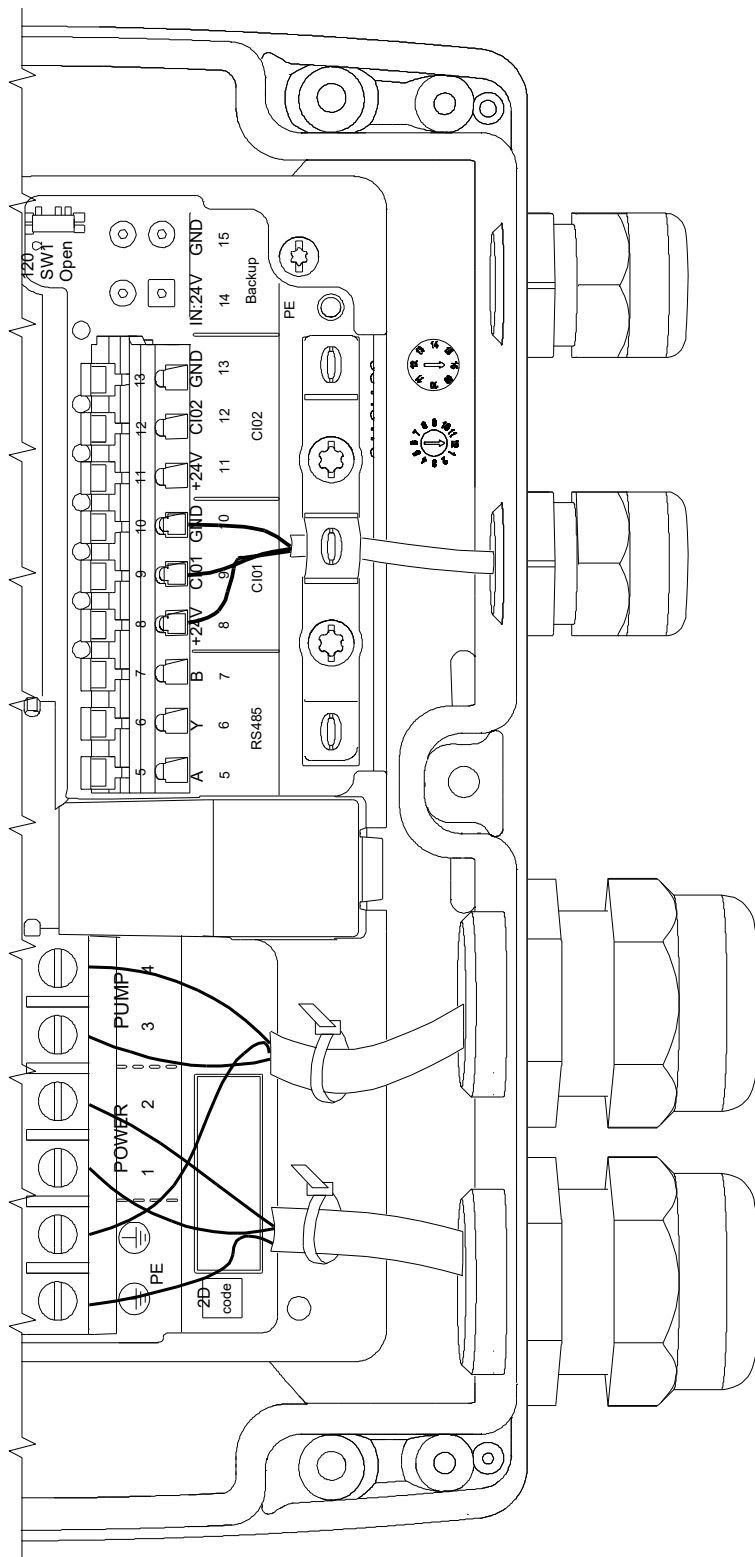
92799799 CU 302 UL 60 Hz



Note! All units are in [mm] unless others are stated.

Disclaimer: This simplified dimensional drawing does not show all details.

92799799 CU 302 UL 60 Hz



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