



C2-EP User Guide

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Installation Process for the C2-EP device

This guide outlines the correct steps for installing a C2-EP device, including model verification, wiring, and registration. Follow all steps carefully to ensure proper operation and network connectivity.

Step 1: Position and Mount the Base

1. Choose a Suitable Mounting Location:

- Select a clean, dry, and solid surface (such as a wall or a stable pipe).
- Ensure the location has sufficient space for cable routing and easy access to the unit during maintenance.

2. Secure the Base:

- Use the appropriate mounting bracket or clamp supplied with the device.
 - Fasten the base firmly using screws or straps to prevent movement or vibration.
 - Confirm that the base is level and stable.
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Step 2: Verify the Unit Type

Before wiring, confirm the exact model of the C2-EP unit. This is critical for selecting the correct wiring configuration and ensuring compatibility with the connected meter.

Model	Unit Type
C2-EP-05-P-L1	Pulse
C2-EP-10-P-L1	Pulse
C2-EP-10-P-L4	Pulse
C2-EP-10-E-L1	Encoder
C2-EP-10-E-L4	Encoder

- Pulse Units are designed for use with water meters that output pulses.
- Encoder Units are designed for use with meters that provide digital encoder signals.

Tip: The model number is printed on the label on the back of the device.

Step 3: Wiring Connection

Connect the wires according to the meter manufacturer. Use the color-code compatibility table below to ensure correct wiring:

Pulse Meters		Wiring			
Manufacturer	GND	RED	<<< Device Side		
Pulse Meters	Black	Red			
Encoder Meters		Wiring			
Manufacturer	GND	CLK	DATA	<<< Device Side	
SENSUS	Black	Red	Green		
ProCoder	Green	Black	Red		
GWF	Black	Red	Green		

Instructions:

1. Identify the meter brand (Sensus, Neptun, GWF).
2. Match the C2-EP unit wires to the appropriate terminals on the meter.
3. Use waterproof connectors or terminal blocks where required.
4. Double-check the connections before continuing.

Warning: Incorrect wiring can lead to inaccurate readings or device malfunction.

Step 4: Secure the Unit

1. Attach the C2-EP Unit to the Mounted Base:
 - Align the unit with the base and gently press it in place until it fits securely.
2. Lock the Unit in Place:
 - Insert the provided security screw through the locking hole.
 - Tighten the screw firmly using a screwdriver to prevent tampering or detachment.

Step 5: Register the Unit

The unit must be registered to the network to begin operation.

Registration Steps:

1. Attach a Magnet:

- Hold a strong magnet against the left side of the unit (where the logo is visible).
- Maintain contact for approximately 3 seconds.
- Wait for four short beeps to be heard.

2. Registration Confirmation Feedback

Beep Pattern	Meaning
One long beep	✓ Registration successful
Alert Tone	✗ Registration failed – try again

If registration fails, wait 20 seconds and repeat the process.

If multiple attempts fail check network coverage.

Additional Notes:

- For model C2-EP-05-P-L1: Ensure the battery is positioned firmly in the battery holder.
- Avoid mounting in areas with high RF interference or metallic enclosures.
- For encoder models: C2-EP-10-E-L1, C2-EP-10-E-L4, verify that the connected meter is supported by the C2-EP :Sensus, Neptun, GWF.

FCC Information:

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Warning: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

