

# Submittal Data

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

## LC 241 1 x 3-12 DOL 3X208/230/460 PO OPT

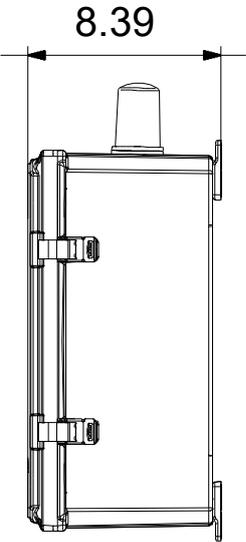
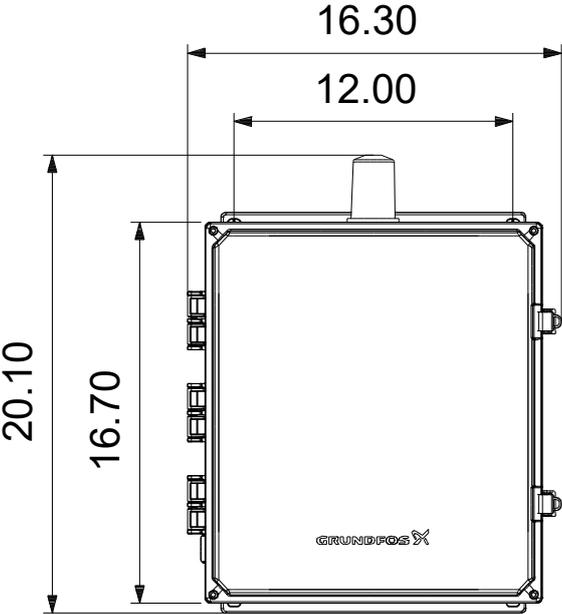


The pump control boxes for level control, monitoring and protection of pumping systems in one or two pump applications in 208/240/460V and up to 32A starting direct-on-line. The control boxes are used in many types of empty or filling applications.

Product photo could vary from the actual product

Conditions of Service	Pump Data	Motor Data
	Maximum ambient temperature: 104 °F Product number: 99612800	Rated voltage: 208-460 V Main frequency: 60 Hz Enclosure class: IP56

Submittal Data



Materials:

Count	Description
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1

LC 241



Product photo could vary from the actual product

Product No.: [99612800](#)

The LC 241 pump control panels offer a comprehensive range of features for control and monitoring of pumps in waste water, drainage systems, or tank filling applications. The LC241 is a thermoplastic modular panel solution offering customization according to your needs.

The LC 241 pump control panels are designed for level control, monitoring and protection of Grundfos pumping systems one pumps

or two pumps starting direct-on-line. Panels are constructed of a Type 4X thermoplastic enclosure with beacon light and external buzzer (with push-to-silence button).

The set-up of the control is easily done either by the predefined application settings through the user interface or via the step-by-step

start-up wizard in the intuitive Grundfos GO app, using Bluetooth Smart technology directly from a smart device (no additional remote required).

With the Grundfos GO app, all detailed pump settings can be easily being configured, monitored, commissioned, and saved.

The controller is equipped with configurable input/output terminals, giving full flexibility for all applications.

An additional IO 241 module can be added for applications requiring even more input/outputs.

Additional options, such as: main panel disconnect switch, seal fail relay for Yeomans pumps, panel heater with thermostat, lightning/surge arrestor, battery backup, door mounted estimated time meters (ETMs), Ex barrier for digital and/or analog sensor input, can also be part of your customized solution.

Daily control, supervision and commissioning is straightforward with the intuitive and easy-to-use user interface.

This saves you valuable time when getting started, and in your daily interaction with pumps and the controller.

The controller integrates seamlessly into the Grundfos range of communication modules, ensuring an easy fit into just about any supervisory system (SCADA).

The controller maintains a detailed alarm and warning log with the last 20 alerts.

The alarm log can be accessed remotely via SCADA.

You can also use Grundfos GO to inspect the logs in localized, translated text for easy troubleshooting and remedial measures at the pumping station.

The LC 241 controller enable:

- Control of 1 or 2 pumps based on signals from sensor input (analog, 0-5 V, 0.5-3.5V, 0-10 V, 0-20 mA, 4-20 mA or digital/float switch)
- Support up to five control levels for both analog level transmitter or float switch operation (2-pump control models)
- Supports simple application where only one float switch is present - single float switch operation
- Configurable input/output terminals that can be used as digital input/output, analogue input and Pt 100/1000 inputs for flexible use in the actual application.
- Prevent the pumps with anti-seizing from choking or seizing due to limestone build-up or other deposits
- Prevent the mains load when several pumping stations are started up at the same time with power-on delay



Company name: Grundfos

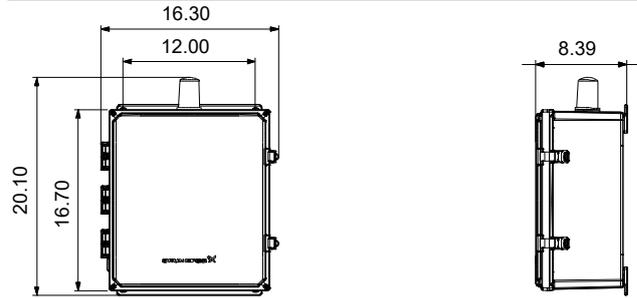
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Phone:

Date: 5/28/2025

Count	Description
1	<ul style="list-style-type: none"> <li>• Protection against water hammer as quick restart/simultaneous start is blocked and delayed</li> <li>• Selection of automatic alarm resetting</li> <li>• Setting of stop delays matching the actual operating conditions</li> <li>• Shows the actual liquid level</li> <li>• Alarm indication via built-in buzzer</li> </ul> <p>Alarm indication of:</p> <ul style="list-style-type: none"> <li>• Power/current measurement</li> <li>• Dry running</li> <li>• High water level</li> <li>• Incorrect phase sequences or missing phase</li> <li>• Sensor inconsistency or failure</li> <li>• Intrusion detection</li> <li>• Water on floor</li> <li>• Too many restarts</li> <li>• Pump overheating and moisture detection</li> </ul> <p>As standard, the LC 241 controller has two alarm relays that can be configured using Grundfos GO to show a variety of status information on a supervisory system or PLC.</p> <p>Controls:</p> <p>Communication interface module (Yes/No): N            Current measurement (Yes/No): Y            IO 241 (Yes/No): N            Mains switch (Yes/No): N            Electrode-relay (Yes/No): N</p> <p>Technical:</p> <p>Approvals: CULUS            Number of pumps: 1</p> <p>Materials:</p> <p>Cabinet: Plastic</p> <p>Installation:</p> <p>Range of ambient temperature: 32 .. 104 °F            Cabinet mounting: Wall mounting            Earth connection: PE</p> <p>Electrical data:</p> <p>Main frequency: 60 Hz            Rated voltage: 3 x 208-460 V            Rated current: 3-12 A            Capacitor size - run: N/A µF            Capacitor size - start: N/A µF            Start. method: Direct-on-line (DOL)            Enclosure class (IEC 34-5): IP56            Back-up fuse required: 16 A</p> <p>Others:</p> <p>Net weight: 24.2 lb            Gross weight: 26.7 lb            Shipping volume: 3.35 ft<sup>3</sup>            Country of origin: US            Custom tariff no.: 8537.10.6000</p>

Description	Value
<b>General information:</b>	
Product name:	LC 241 1 x 3-12 DOL 3X208/230/460 PO OPT
Product No.:	99612800
EAN:	5713831906674
<b>Technical:</b>	
Approvals:	CULUS
Number of pumps:	1
<b>Materials:</b>	
Cabinet:	Plastic
<b>Installation:</b>	
Range of ambient temperature:	32 .. 104 °F
Cabinet mounting:	Wall mounting
Earth connection:	PE
<b>Electrical data:</b>	
Main frequency:	60 Hz
Rated voltage:	3 x 208-460 V
Rated current:	3-12 A
Capacitor size - run:	N/A µF
Capacitor size - start:	N/A µF
Start. method:	Direct-on-line (DOL)
Enclosure class (IEC 34-5):	IP56
Back-up fuse required:	16 A
<b>Controls:</b>	
Communication interface module (Yes/No):	N
Current measurement (Yes/No):	Y
IO 241 (Yes/No):	N
Mains switch (Yes/No):	N
Electrode-relay (Yes/No):	N
<b>Others:</b>	
Net weight:	24.2 lb
Gross weight:	26.7 lb
Shipping volume:	3.35 ft³
Sales region:	Namreg
Country of origin:	US
Custom tariff no.:	8537.10.6000

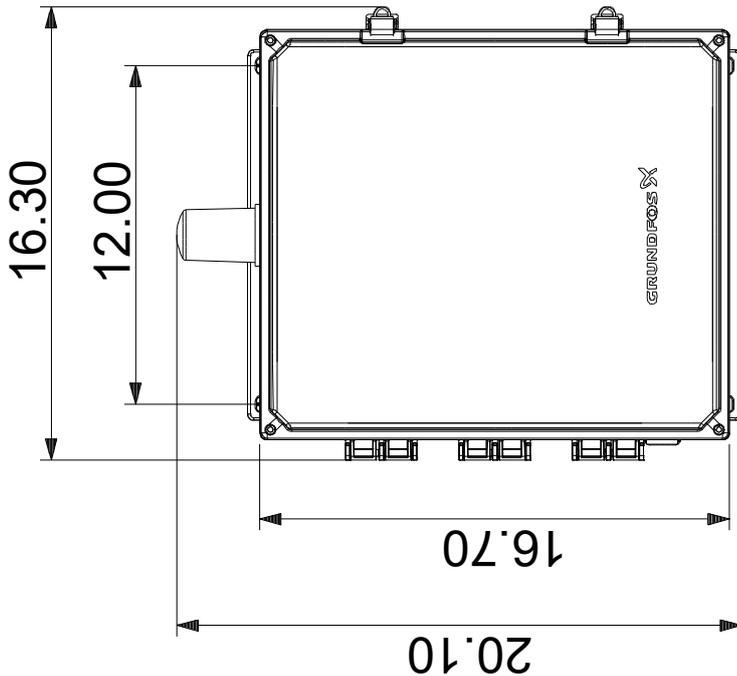
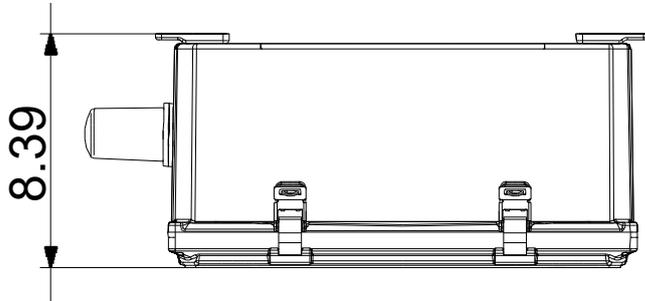


See section: Installation & operating instructions

Siehe Abschnitt: Installations- und Bedienungsanleitung

Voir la section: Instructions d'installation et d'utilisation

**99612800 LC 241 1 x 3-12 DOL 3X208/230/460 PO OPT 60 Hz**



Note! All units are in [in] unless otherwise stated.  
Disclaimer: This simplified dimensional drawing does not show all details.

**99612800 LC 241 1 x 3-12 DOL 3X208/230/460 PO OPT 60 Hz**

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