

Danfoss FC 101 Remote Mounting of LCP



# Danfoss FC 101 Remote Mounting of LCP Instruction Manual

[Home](#) » [Danfoss](#) » Danfoss FC 101 Remote Mounting of LCP Instruction Manual 

## Contents

- [1 Danfoss FC 101 Remote Mounting of LCP](#)
- [2 Product Information](#)
- [3 Product Usage Instructions](#)
- [4 Mechanical Installation](#)
- [5 Electrical Installation](#)
- [6 Items Supplied](#)
- [7 Additional Items Required](#)
- [8 Safety Instructions](#)
- [9 DISCHARGE TIME](#)
- [10 Mechanical Installation](#)
- [11 Electrical Installation](#)
- [12 FAQ](#)
- [13 Documents / Resources](#)
  - [13.1 References](#)



Danfoss FC 101 Remote Mounting of LCP



## Product Information

### Specifications

- Remote Mounting Kit: 132B0206
- Additional Items Required: 132B0203
- Voltage: 3x200V, 3x400V, 3x600V
- Power Range: Minimum waiting time – 4kW (hp) – 15 minutes, 15 kW (hp) – 15 minutes

## Product Usage Instructions

### Mechanical Installation

1. Fit gasket on LCP as shown in Illustration 1.1.
2. Cut out the panel with dimensions from Illustration 1.2.
3. Position LCP with gasket onto the panel as shown in Illustration 1.2.

### Electrical Installation

1. Connect the LCP cable to the frequency converter as depicted in Illustration 1.4.
2. Fasten the connector to the frequency converter using thread cutting screws provided. Torque: 1.3 Nm (11.5 in-lb).
3. Position the bracket on the back of the LCP, then slide down as shown in Illustration 1.3.

4. Fasten the bracket to the LCP using the thread-cutting screws supplied. Torque: 1.3 Nm (11.5 in-lb).

## Items Supplied

The remote mounting kit (ordering number: 132B0206) includes:

- Gasket.
- Screws (3 pieces).
- Mounting plate bracket.

## Additional Items Required

- Local control panel (LCP), ordering number 132B0200.
- LCP 31 to RJ 45 converter kit, ordering number 132B0203.

## Safety Instructions

For important information about safety precautions for installation, refer to VLT® HVAC Basic Drive FC 101 Quick Guide.

### WARNING

### DISCHARGE TIME

The frequency converter contains DC-link capacitors, which can remain charged even when the frequency converter is not powered. Failure to wait the specified time after power has been removed before performing service or repair work, could result in death or serious injury.

- Stop the motor.
- Disconnect AC mains, permanent magnet-type motors, and remote DC-link power supplies, including battery back-ups, UPS, and DC-link connections to other frequency converters.
- Wait for the capacitors to discharge fully, before performing any service or repair work. The duration of waiting time is specified in Table 1.1.

Voltage [V]	Power range [kW (hp)]	Minimum waiting time (minutes)
3×200	0.25–3.7 (0.34–5)	4
3×200	5.5–11 (7.5–15)	15
3×400	0.37–7.5 (0.5–10)	4
3×400	11–90 (15–125)	15
3×600	2.2–7.5 (3–10)	4
3×600	11–90 (15–125)	15

Mechanical Installation

1. Fit gasket on LCP, see Illustration 1.1.

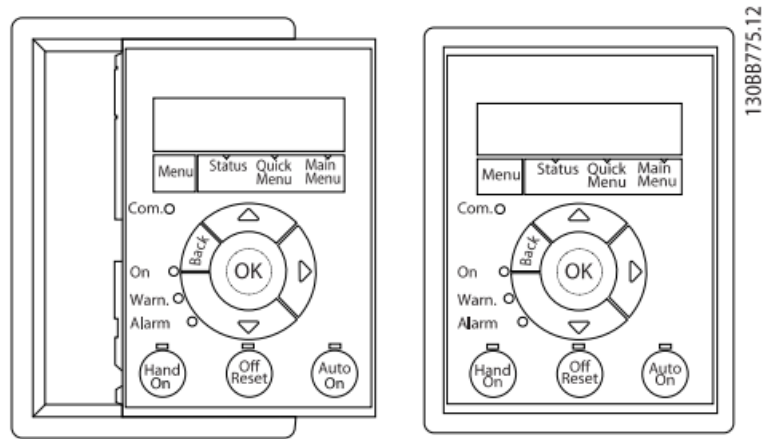
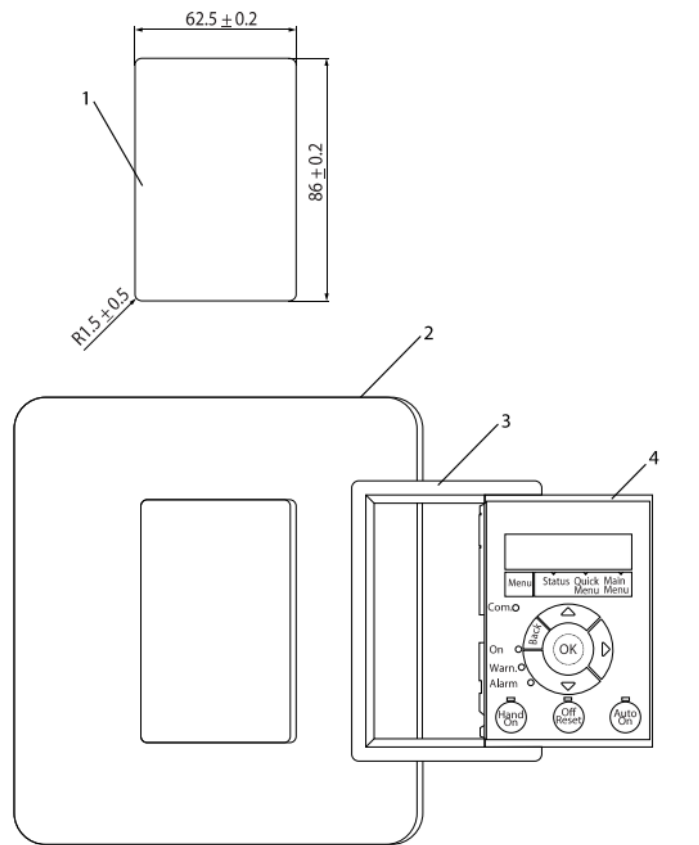


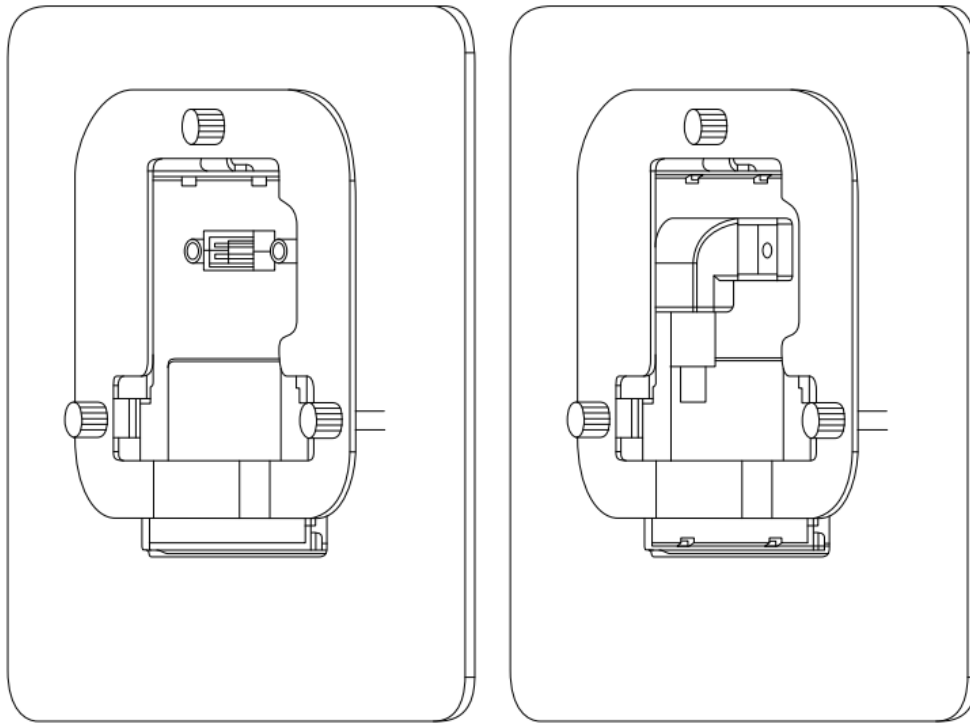
Illustration 1.1 Fit Gasket on LCP

2. Cut out the panel, with the dimensions shown in Illustration 1.2.
3. Position LCP with gasket onto the panel, as shown in Illustration 1.2.



1	Panel cut out. Panel thickness 1–3 mm (0.04–0.12 in)
2	Panel
3	Gasket
4	LCP

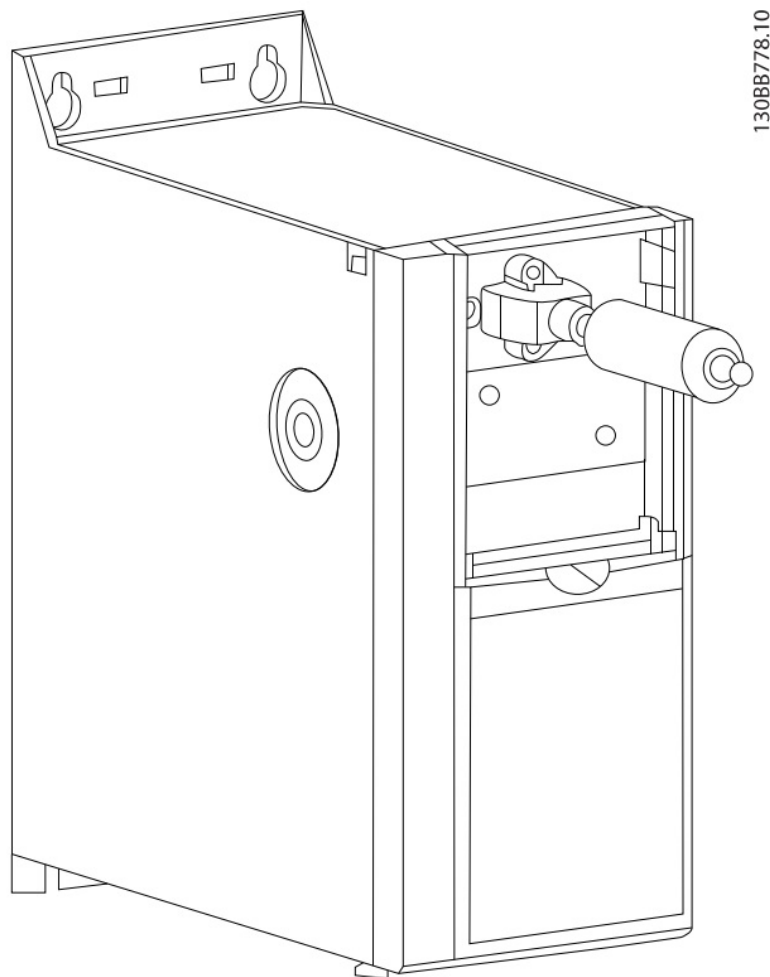
4. Position the bracket on the back of the LCP, then slide down. See Illustration 1.3.
5. Fasten the bracket to the LCP using the thread-cutting screws supplied. Tightening torque is 1.3 Nm (11.5 in-lb).



**Illustration 1.3 Position Bracket and Slide Down**

### **Electrical Installation**

1. Connect the LCP cable to the frequency converter, as shown in Illustration 1.4.
2. Fasten the connector to the frequency converter using the thread-cutting screws supplied. Tightening torque is 1.3 Nm (11.5 in-lb).



**Illustration 1.4 Connection at Frequency Converter**

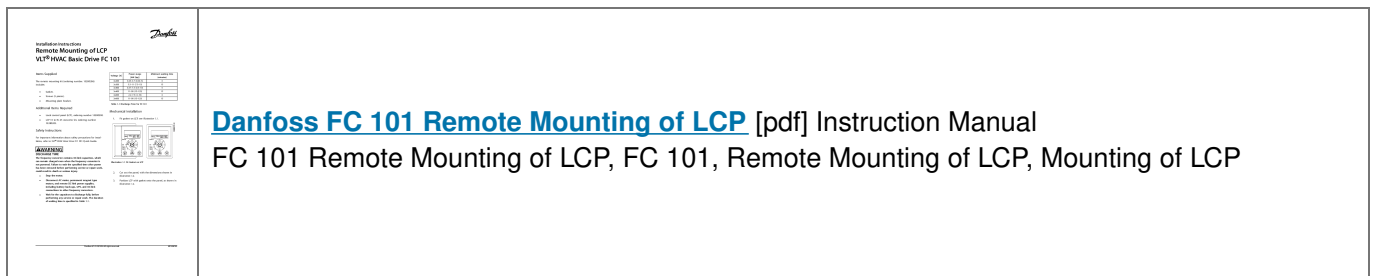
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## **FAQ**

**Q: What is the waiting time required after power has been removed for performing service or repair work?**

A: The waiting time is specified in Table 1.1 based on the voltage and power range of the frequency converter.



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FC 101 Remote Mounting of LCP, FC 101, Remote Mounting of LCP, Mounting of LCP

## References

- [!\[\]\(a88007b249b36c75dcbde101f514cec3\_img.jpg\) Global AC drive manufacturer - Danfoss Drives | Danfoss](#)
- [User Manual](#)

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