

Installation Instructions

VLT[®] Wireless Communication Panel LCP 103

VLT[®] FC Series FC 102, FC 103, FC 202, FC 301/FC 302, and LD 302

Items Supplied

- VLT[®] Wireless Communication Panel LCP 103.
- Gasket

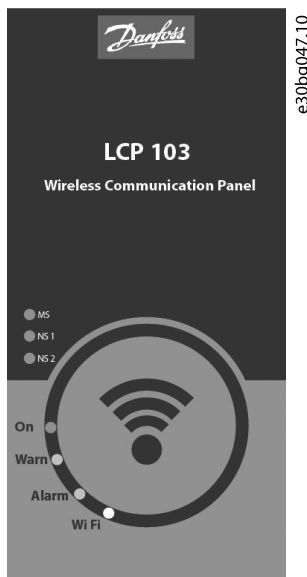


Illustration 1.1 VLT[®] Wireless Communication Panel LCP 103

Compatible Drive Series

NOTICE

Compatible drives have a white USB port.

- VLT[®] HVAC Drive FC 102
- VLT[®] Refrigeration Drive FC 103
- VLT[®] AQUA Drive FC 202
- VLT[®] AutomationDrive FC 301/FC 302
- VLT[®] Lift Drive LD 302

Approvals and Certifications

Installation

NOTICE

The VLT[®] Wireless Communication Panel LCP 103 is hot-pluggable and can be connected when the drive is powered on.

1. Mount the LCP 103 in the LCP input plug on the drive.
2. Search for *MyDrive[®] Connect* in



or

iTunes



Illustration 1.2 MyDrive[®] Connect Launch Icon

3. Download and install the MyDrive[®] Connect App.

NOTICE

The initial connection process, pairing, should take place within the first 10 minutes after the installation. Failing to do so closes the broadcast or wireless identification. This is due to security limits with default passwords. To reconnect, power cycle the drive, or remove and reconnect the LCP 103.

Connection Procedure

NOTICE

The wireless SSID is the *Danfoss* serial ID of the drive. For example, *Danfoss_019223G455* is the default wireless SSID for a drive with the serial number 019223G455. The serial number is on the product nameplate, but is also visible in *parameter 15-51 Frequency Converter Serial Number*.

Wireless SSID	Danfoss_019223G455
Default password	Danfoss1933

1. Open the app and establish the Wi-Fi connection, see *Table 1.1* for descriptions of the white Wi-Fi LED.
2. When prompted, change the default password due to security restrictions. The password must be at least 8 and maximum 63 characters.

NOTICE

If the password is not changed, it leaves only 10 minutes for connecting and performing Drive operations. After this, the wireless connection closes.

Reset password

If the wireless SSID and password are forgotten, access parameter group 30-9 Wifi LCP via MCT 10 Set-up Software or LCP 102.

LED Pattern

LED	Pattern	Description
On	Solid green	The drive is powered on (normal operation).
Wi-Fi	Flashing white	Connection pairing successful.
	Solid white	The smart device is connected and communication is OK.
Alarm	Flashing red	An alarm has occurred.
Warn	Solid yellow	A warning has occurred.
MS ¹⁾ , NS1 ²⁾ , NS2 ³⁾	Flashing white	Identification of the drive when initiated through a winking command.
	Flashing orange	Incompatible drive.

Table 1.1 Descriptions, LED Indicators

- 1) Module status.
- 2) Network status 1.
- 3) Network status 2.

Safe Control

The safe control parameter allows the drive to decide the motor behavior if the smart device, for example a tablet, communication is lost. If the limits are set to *Stop motor*, the motor stops. If the limits are set to *Do nothing*, the motor continues to run. This is only applicable when the motor is in Run state. The communication happens between the MyDrive® Connect App and the VLT® Wireless Communication Panel LCP 103.

Parameter	Limits/options
Parameter 30-97 Wi-Fi Timeout Action	Stop motor Do nothing

Specifications

Standards	IEEE 802.11 b/g
Frequency range	2.4~2.4835 Ghz
Antenna	PCB-mounted chip antenna
Security	WPA2
Operating temperature	-25 °C to +50 °C (-13 °F to +122 °F)
Operating humidity	5–95% RH, non-condensing
Operating mode	Access point
Ingress protection	IP20 (IP55 with gasket)
Electrical rating	5 V, 250 mA
Internal memory size	14 MB
Memory limit	Maximum 128 files
Range	Open air: 150 m (492 ft) Steel wall: 30 m (98.4 ft)
Dimensions (L x W x D) [mm (in)]	131.2 x 66.6 x 23 (5.1 x 2.6 x 0.9)
Weight [g (oz)]	85.3 (2.88)
Firmware update	MCT 10 Set-up Software version 4.10 or higher

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