

# Control Panel 2.0 OP2

## iC2-Micro Frequency Converters

### 1 Overview

#### 1.1 Description

This installation guide explains how to install and operate the Control Panel 2.0 OP2 for iC2-Micro Frequency Converters.

Control Panel 2.0 OP2 provides better user experience and enables to easily set up the drive via parameters, monitor drive status, and visualization of event notifications.

A more detailed overview of Control Panel 2.0 OP2 is as follows:

- 2.03" monochromatic user interface.
- Visual LEDs to identify drive status.
- Controls the drive and easily switches between local and remote operations.
- Multilingual display which contributes to show parameters, selections, and status more clearly.
- Parameter settings of the drive can be copied to other drives for easy commissioning.
- Installation on a cabinet door using a mounting kit option.

#### 1.2 Item Supplied

Use these instructions with the following item.

Table 1: Item Supplied

Code number	Item description
132G0234	Control panel 2.0 OP2

#### 1.3 Safety Precautions

Only qualified personnel are allowed to install the Control Panel 2.0 OP2 described in this installation guide.

#### 1.4 Electrical Ratings

Table 2: Electrical Ratings

Function	Data
Ambient or surrounding air temperature rating	50 °C (122 °F)
Input voltage	5 V
Input current	70 mA

#### 1.5 Approvals and Certifications

Table 3: Approvals and Certifications

					
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**UKCA contact information:**

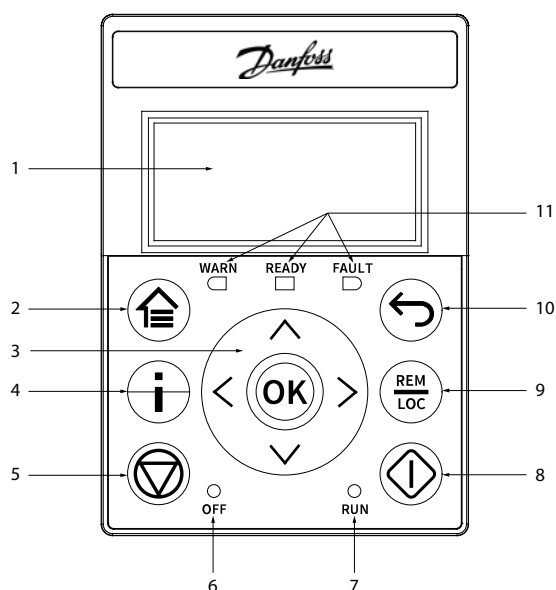
Danfoss, 22 Wycombe End, HP9 1NB, Great Britain

## 2 Installation and Operation

### 2.1 Installation

The Control Panel 2.0 OP2 can be connected to iC2-Micro frequency converters via a shielded CAT5e cable directly. Flush/surface mounting kit is available for mounting the Control Panel 2.0 OP2 in the cabinet door. For more details, see the Flush Mounting Kit OA2 Installation Guide or Surface Mounting Kit OA2 Installation Guide.

### 2.2 Control Panel Elements



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Illustration 1: Control Panel 2.0 OP2 Overview

Table 4: Control Panel Elements Description

Leg-end	Name of Element	Description
1	Display	Provides access to content and settings. The display provides detailed information about the status of the drive.
2	Home/Menu	<ul style="list-style-type: none"> <li>Toggles between main menu and status view.</li> <li>Long press to access the shortcut menu for quickly reading and editing parameters.</li> </ul>
3	Arrows and [OK]	<ul style="list-style-type: none"> <li><b>Arrows:</b> Navigates within the different screens and menus, and tunes the parameter values.</li> <li><b>[OK]:</b> Confirms selections and data in the control panel display.</li> </ul>
4	Info	Provides drive information by pressing the <i>Info</i> button from the home screen, for example, the drive type, ordered model code, drive serial number, application version.
5	Stop/Reset	Stops the operation of the drive.
6	OFF LED	<p>The indicator has the following states:</p> <ul style="list-style-type: none"> <li><b>Steady on:</b> The indicator is in this state when: <ul style="list-style-type: none"> <li>The drive is not modulating and the drive is coasted.</li> <li>The stop or coast signal is applied. Ramp times, protections, and stopping functions might prolong this state.</li> </ul> </li> <li><b>Off:</b> The drive is in operation, a start signal is applied, and the output is active. (This also includes ramping, running on reference, and AMA).</li> </ul>

Leg-end	Name of Element	Description
7	RUN LED	<p>The indicator has the following states:</p> <ul style="list-style-type: none"> <li>• <b>On:</b> The drive is in normal operation.</li> <li>• <b>Off:</b> The drive has stopped.</li> <li>• <b>Flash:</b> The indicator is in this state when: <ul style="list-style-type: none"> <li>- In the motor-stopping process (ramp-down).</li> <li>- The drive received a <i>RUN</i> command, but no frequency output.</li> </ul> </li> </ul>
8	Run	Starts the operation of the drive.
9	REM/LOC	Toggles the drive between remote and local operation.
10	Back	Navigates to previously viewed screen or a menu level above current menu.
11	Drive Status Indicators	<p>The related LEDs indicate the status of the drive.</p> <ul style="list-style-type: none"> <li>• <b>[WARN]:</b> A steady yellow light indicates a warning.</li> <li>• <b>[READY]:</b> A steady green light indicates that the drive is ready.</li> <li>• <b>[FAULT]:</b> A flashing red light indicates a fault.</li> </ul>

## N O T I C E

Refer to iC2-Micro Frequency Converters Application Guide for more detailed information and operation on Control Panel 2.0 OP2.

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