Installation Instructions
Remote Mounting of LCP
VLT® HVAC Basic Drive FC 101

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.

<table>
<thead>
<tr>
<th>Voltage [V]</th>
<th>Power range [kW (hp)]</th>
<th>Minimum waiting time (minutes)</th>
</tr>
</thead>
<tbody>
<tr>
<td>3x200</td>
<td>0.25–3.7 (0.34–5)</td>
<td>4</td>
</tr>
<tr>
<td>3x200</td>
<td>5.5–11 (7.5–15)</td>
<td>15</td>
</tr>
<tr>
<td>3x400</td>
<td>0.37–7.5 (0.5–10)</td>
<td>4</td>
</tr>
<tr>
<td>3x400</td>
<td>11–90 (15–125)</td>
<td>15</td>
</tr>
<tr>
<td>3x600</td>
<td>2.2–7.5 (3–10)</td>
<td>4</td>
</tr>
<tr>
<td>3x600</td>
<td>11–90 (15–125)</td>
<td>15</td>
</tr>
</tbody>
</table>

Table 1.1 Discharge Time for FC 101

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. 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 1.2 Mounting of LCP on Panel

4. Position bracket on the back of the LCP, then slide down. See Illustration 1.3.

5. Fasten 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

Illustration 1.4 Connection at Frequency Converter