

I/O BOARD ASSEMBLY

100076-1, 100410



Installation and servicing of Danfoss Turbocor® compressors by qualified and product trained personnel only. Follow these instructions and sound refrigeration/electrical/servicing practices relating to installation, commissioning, maintenance, and service.

Consult the appropriate Danfoss LLC Service Manual on www.turbocoroem.com for detailed service instructions.

Never power compressor without covers in place and secured.

Removing the mains input cover will expose you to a voltage hazard of up to 853VDC. Ensure the mains input power is off and locked out before removing cover.

Before removing top cover, wait at least 20 minutes after isolating AC power to allow the high voltage capacitors to discharge.

Always wear appropriately rated safety equipment when working around equipment and/or components energized with high voltage.

This equipment contains hazardous voltages that can cause serious injury or death.

Recover all refrigerant from compressor in accordance with local codes and ensure pressure is fully vented before the removal of refrigerant containing components.

1 - Introduction

I/O BOARD ASSY Removal and installation.

This kit contains the PCB Assembly for the chiller interface. Please refer to our Service Manual for details regarding the replacement of the PCB Assembly.

We have made the **TT Series Service Manual** available to anyone. To access the manual, you may scan the applicable QR code below or you may go to our DTC website at www.turbocoroem.com. At the bottom of the page there is a Section named "Categories" that includes various menus including one for Manuals.

Refer to the applicable QR code below to download the TT Series Service Manual.

English



Chinese



2 - I/O BOARD ASSY Removal Instructions

1. Isolate compressor power.
2. Remove all external connections from the compressor I/O board.
3. Remove the I/O Board.

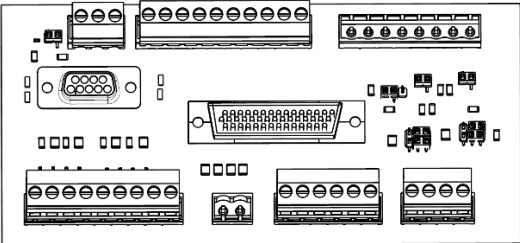
3 - I/O BOARD ASSY Installation Instructions

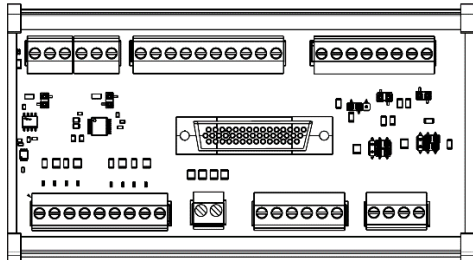
1. Install the I/O Board.

NOTE: When installing a TurbocorCloud™ Services Gateway, refer to the Danfoss Gateway Installation and Operations Manual.

2. Reconnect all external connections and wiring on the compressor I/O board.
3. Return the compressor to normal operation.

4 - Kit Contents

KIT	100076-1	
QTY	Part(s) Description	Picture(s)
1	I/O BOARD ASSY	

KIT	100410	
QTY	Part(s) Description	Picture(s)
1	I/O BOARD ASSY RS485-X2 (Used for TurbocorCloud™ Services Gateway)	

5 - List of Changes

Revision	Date	Description of Change
M	8/4/2023	Added kit 100410.

Danfoss LLC can accept no responsibility for possible errors in catalogues, brochures, and other printed material. Danfoss LLC reserves the right to alter its products without notice. This also applies to products already on order provided that such alterations can be made without subsequent changes being necessary in specifications already agreed. All trademarks in this material are property of the respective companies. Danfoss and the Danfoss logotype are trademarks of Danfoss A/S. All rights reserved.