

BC-D3X

DISPLAY BOARD

USER MANUAL



Document No
LF-BCD3X-UM-EN



Issue No
V1.0



Issue Date
MAY 2026

**DOCUMENT APPROVAL PAGE**

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DOCUMENT REVISION HISTORY

REVISION NO	REVISION DATE	REVISED SECTION / PAGE	REASON
1.0	May 2026	Entire Document	First Release

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1. GENERAL FEATURES

BCD3X is a floor indicator board developed for displaying floor information, direction indicators, and status notifications in elevator systems. The system operates by receiving data from the main control board through CANBUS communication infrastructure.

2. SYSTEM OVERVIEW

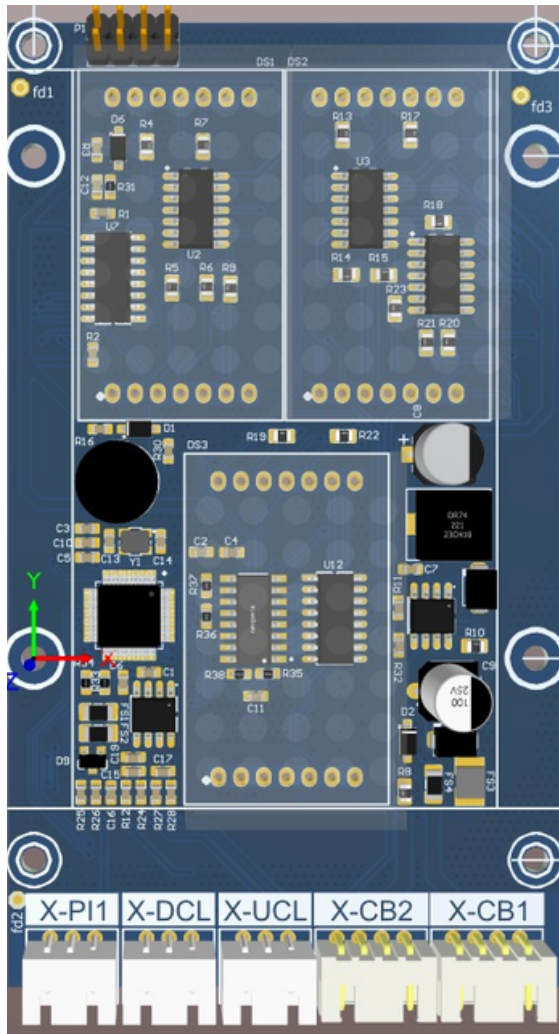


Figure 1: Front 3D View of the BC-D3X

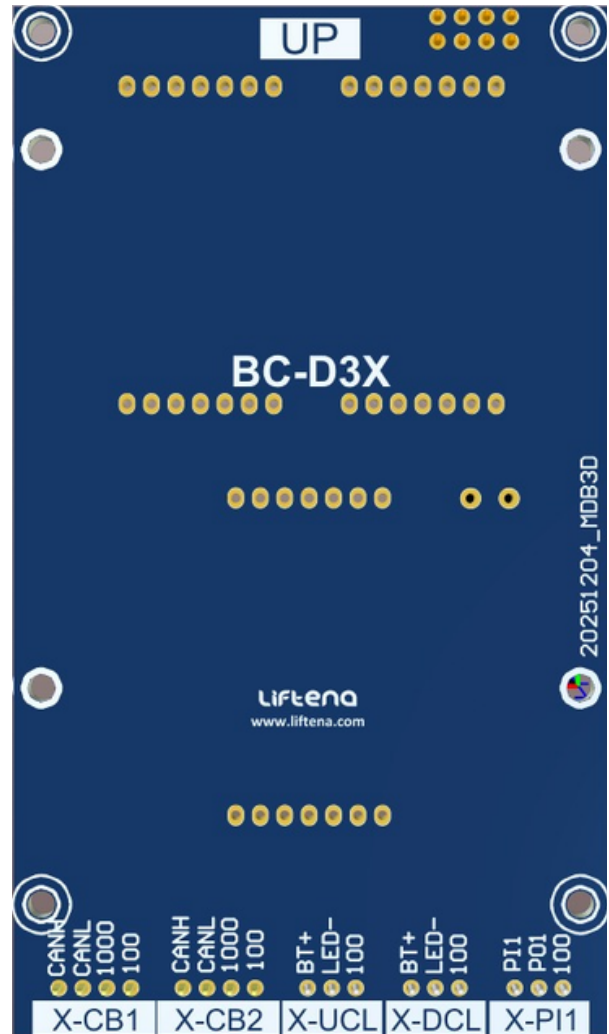


Figure 2: Rear 3D View of the BC-D3X

3. TECHNICAL SPECIFICATIONS

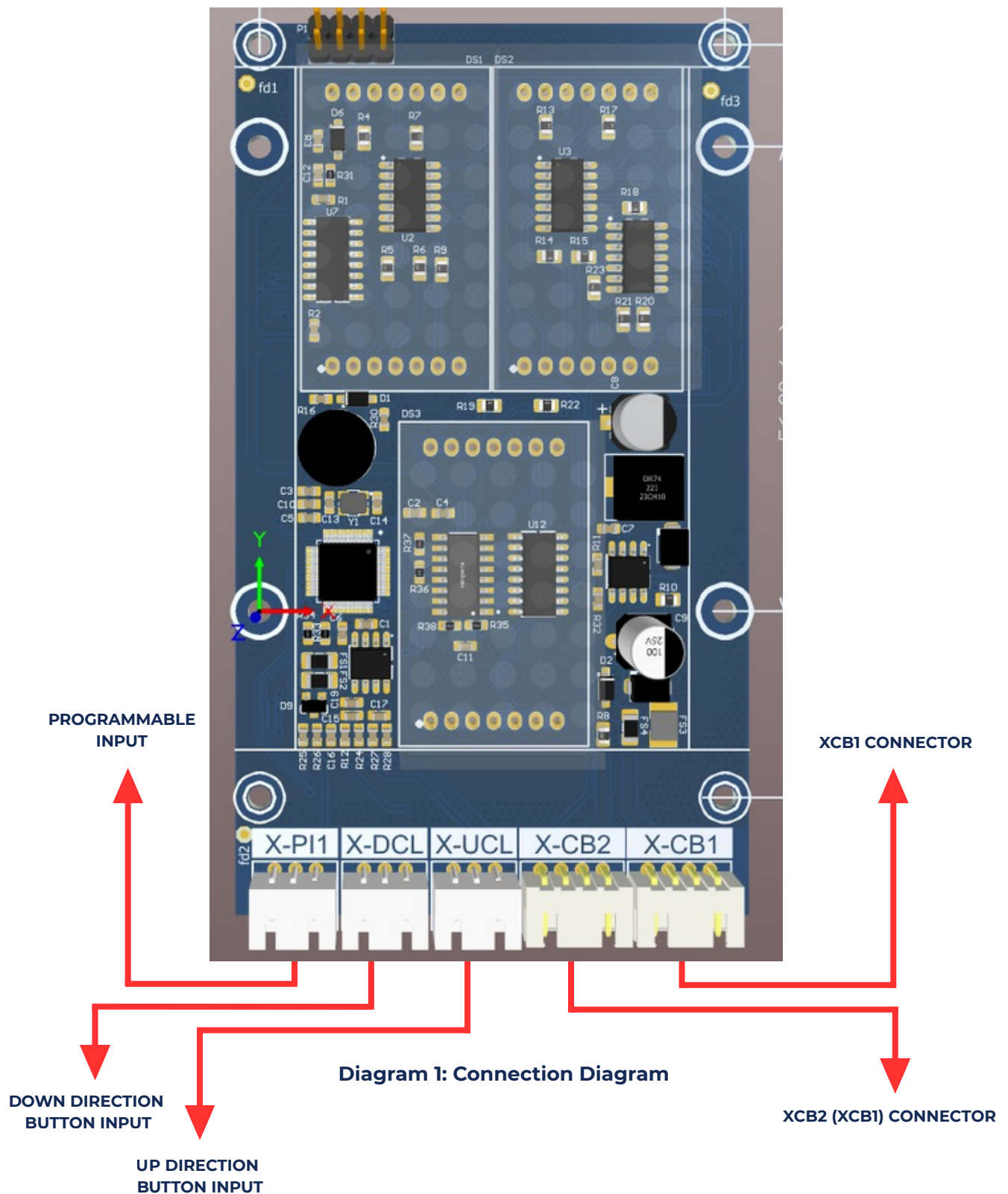
BC-D3X is a compact smart indicator module developed for displaying floor information, direction indicators, and status notifications in elevator systems through CANBUS communication infrastructure.

The device processes the data received from the connected control system via the CANBUS communication line and displays floor numbers, movement direction, and system status information on the screen. Thanks to its high communication stability, it provides fast and reliable data transmission.

BC-D3X has been designed for industrial operating conditions with the goals of low power consumption, stable operation, and long service life. Its compact structure and mounting holes allow easy installation in control panels and narrow spaces.

Thanks to the communication and power connections located on the product, easy integration with different control boards can be achieved. With its robust mechanical structure and reliable electronic infrastructure, BC-D3X offers uninterrupted operation performance in elevator automation systems.

3.1 CONNECTION DIAGRAM



The connection terminals located on the BC-D3X display board are designed to provide communication with the control board and to detect direction signals.

X-CB1 and X-CB2 Connector Inputs

This input terminal is used for CANBUS communication and board power supply connections.

- CANL / CANH: CANBUS communication lines
- 1000: GND connection
- 100: +24VDC power supply connection

X-UCL and X-DCL Connector Inputs

The input terminal used for the up direction call button (X-UCL) connection.

- BT+: Button positive connection
- LED-: Button LED negative connection
- 100: +24VDC connection

The input terminal used for the down direction call button (X-DCL) connection.

- BT+: Button positive connection
- LED-: Button LED negative connection
- 100: +24VDC connection

X-PI1 Connector Input

This programmable terminal is used for external control and special function connections.

- PI1: Programmable input connection
- PO1: Programmable output connection
- 100: +24VDC connection

4. MOUNTING DIMENSIONS

The BC-D3X display board is designed with a compact structure, providing easy installation in control panels and narrow-space applications.

The overall board dimensions are 61.8 mm x 107.5 mm. The mounting hole spacing is designed as 56 mm horizontally and 56 mm vertically. The mounting holes are positioned to ensure secure and stable installation of the board.

All mounting holes are designed for M3 screw compatibility. During installation, it is recommended that the board be mounted parallel to the surface and fixed securely.

To prevent loosening in vibration-prone environments, the use of appropriate washers and nuts is recommended. In addition, care should be taken to prevent direct contact between the underside of the board and metal surfaces during installation. For this purpose, the use of plastic spacers is recommended.

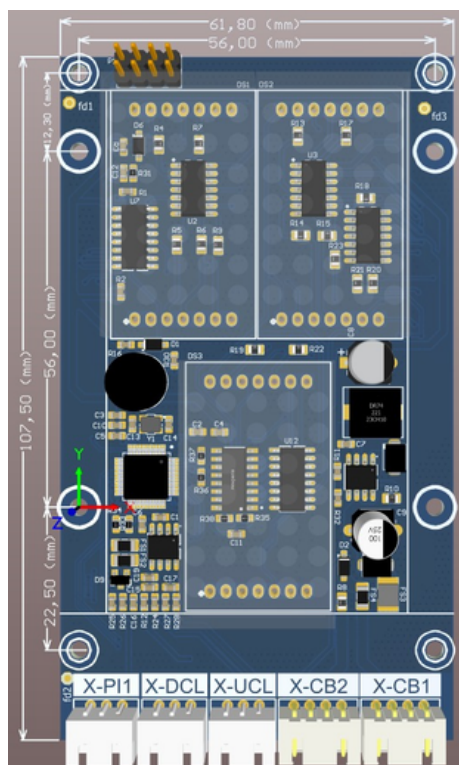


Figure 3: BC-D3X Mounting Dimensions

5. NICKNAMES

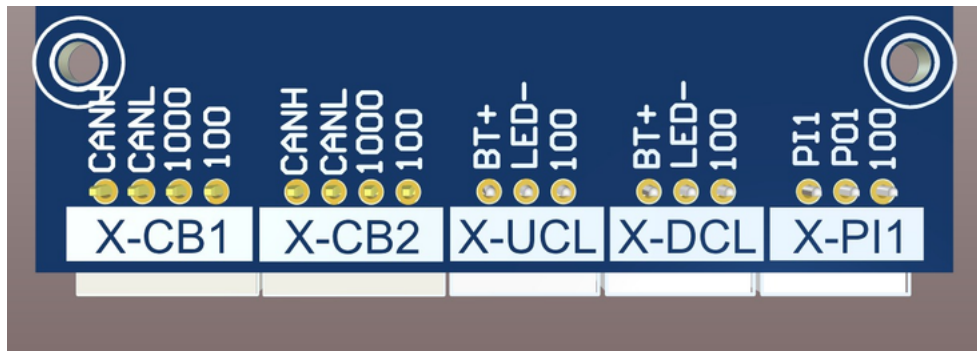


Figure 4: Nicknames

6. NOTES

Not available.

7. APPENDICES

Not available.