

BELLA SERIES
SERIAL COMMUNICATION LOP
INSTALLATION MANUAL



7 Segment ve Dot Matrix Led Displays

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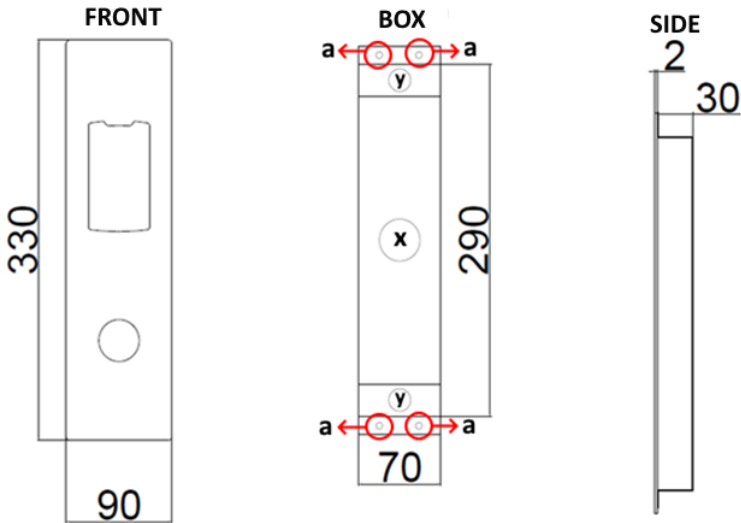


Figure 1

BELLA LOP Contents

- BELLA Serial Communication LOP
- Mounting Dowels and Screws
- User Manual and Installation Manual
- Terminating Resistor for systems without a shaft pit board with CAN interface.

1- Mechanical Installation

- 1.1 Pull the front cover of BELLA LOP out.
- 1.2 Drill a hole in the wall where you can insert the back box of LOP. Dimensions are available in Figure 1 and drawing sent to our customers.
- 1.3 Plug the cable coming from the controller or upper LOP to the rectangular socket on the backside of the front panel.
- 1.4 Place the back box of LOP to the pre-drilled hole in the wall and fix it by using dowels and screws at the points indicated by “a” in the figure.
- 1.5 Plug one cable coming from the controller or from upper landing panel through the hole indicated by “X” into one of the sockets on the backside of the LOP board.
- 1.6 Plug the cable leading to the lower LOP or pit board to the other socket.

- 1.7 If it is the lowest LOP and there is no serial pit board, then plug a resistor terminator to the other socket to close the network.
- 1.8 Then go to the next section to adjust id number and display settings.
- 1.9 When settings has been completed then insert the pins into the holes on the back box denoted by **y** and push the front panel onto the back box.

2- Electrical Connections

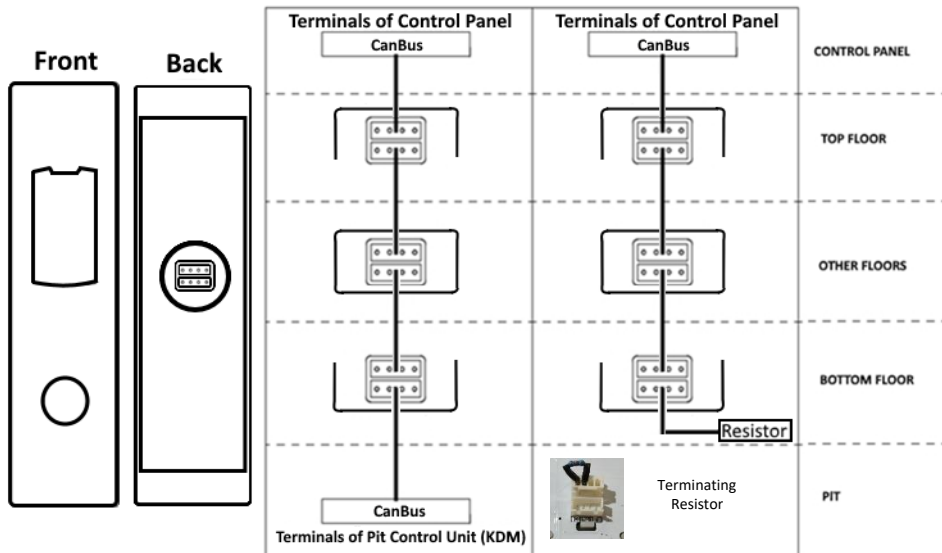


Figure 2

Figure 3

- 2.1 Connect the CANBUS cable terminals to the LOP interface in the control panel (100-1000-CL1-CH1).
- 2.2 If your system includes **a shaft pit control box with CAN interface** as shown in Figure 4, then connect all LOPs with CANBUS cables with two white rectangular sockets.
- 2.3 If no electronic shaft pit board with serial interface is present, then insert a terminating resistor into the lower socket of the LOP at the bottom floor as shown in Figure 5.

3- Operation and Setting Procedures

There are 3 programming buttons on the board: UP, DOWN and ENT.

Press 3 seconds to enter Setup Menu.

You will see the LOP's floor number (as ID) and "id" characters blinking sequentially. "id" represents the numeric value of the parameter name and number. The floor number can be increased by pressing the UP button and decreased by pressing DOWN button. The floor number is only displayed when one of the UP or DOWN buttons is pressed. When no button is pressed, the "id" and the floor number will be flashed sequentially.

There are multiple parameters to be set depending on the type of LOP used. You can switch to another parameter by pressing ENT button shortly. Then, you may change the value of the relevant parameter by UP and DOWN buttons.

After setting all the parameters, press ENT button and hold down for 3 seconds to save and exit the menu. The processes can be summarized in the table below:

Display View	Pressed Button	Meaning
5		Floor No
5	ENT (min 3 sec.)	Floor No
Id and 2 (flashing)	UP	ID of LOP
3	UP	ID of LOP
Id and 4 (flashing)		ID of LOP
Id and 4 (flashing)	ENT	ID of LOP
bL and 2 (flashing)	ENT	Buzzer Level
FL and 0 (flashing)	ENT	Presence of at Floor
Si and 1 (flashing)	DOWN	Simulator On
0	ENT (min 3 sec)	Simulator Off
5		

Parameter Code	LOP Type	Range	Definition
id	CLS, CLD	0...63	Floor Number of LOP

bL	CLS, CLD	0...9	Buzzer Level. Increasing value makes the buzzer volume to decrease, where 1 is the loudest value. Zero value disables buzzer.
FL	CLS	0,1	0-At floor indicator is not used. 1-At floor indicator is used.
Si	CLS, CLD	0,1	0-Lift Operation Mode 1-Simulation Mode where LOP stops communication and displays numbers in the range of 0 to Simulation Floor.
SF	CLS, CLD	0...63	Maximum displayed Floor Number in simulation mode.
SL	CLD	0,1	Slide Mode 0-Floor Number does not slide when floor changes. 1-Floor Number slides when floor changes.
Ar	CLD	1...5	Arrow Type One of the five Arrow styles can be selected.
GM	CLD	0,1	Arrow-Character Location 0-Arrow is above, Floor Number below 1-Floor Number is above and Arrow is below.

4-Caution

- 4.1 Use only special stainless steel cleaners to clean the panels.
- 4.2 Do not use any detergent or acids to clean panels.
- 4.3 Avoid to contact any liquid to the LOP.

4.4 In case of an electrical failure, switched off the LOP and contact with Aybey Elektronik Technical Service.