SafeLine

®

Quality talks

SafeLine **FD4-CAN**
Operating instructions

Displays floor designations, arrows and scrolling messages.

CANopen
LIFT
© CiA

SafeLine **FD4-CAN**
Operating instructions

TECHNICAL DATA

Power:	19-28 VDC
Size (H x W x D):	61 x 80 x 25 mm
Current consumption, standby:	120 mA / 24 VDC
Max output current on each output:	200 mA
Max output current for the card:	1 A / 24 VDC
Power input:	19-28 VDC
Input current on each input:	8 mA / 24 VDC
SD-card:	Kingston and Verbatin 1, 2 or 4 GB
Speaker output:	0,6W at 8Ω
	0,3W at 16Ω

All output are shortcut protected.

safeline.eu

◼ Installation

◼ Configuration

WIRING INSTRUCTIONS

CAN-bus end termination resistance
120Ω if shorted

0 V	0V
CAN L	CAN L
	CAN SHLD
CAN H	CAN H
20-30 VDC	20-30 VDC
0 V	0V
CAN L	CAN L
	CAN SHLD
CAN H	CAN H
20-30 VDC	20-30 VDC
0 VDC	IO1
	IO2
	IO3
	IO4

WWW.SAFELINE.SE
FD4-CAN V3 R1.01

SPK
SD-CARD

Speaker

Micro SD-card
MAX
4GB (HC)

LED

Green LED steady
CAN OK

Red LED steady
CAN error

WWW.SAFELINE.SE
FD4-CAN V3 R1.01

Heartbeat
Flashing 2Hz

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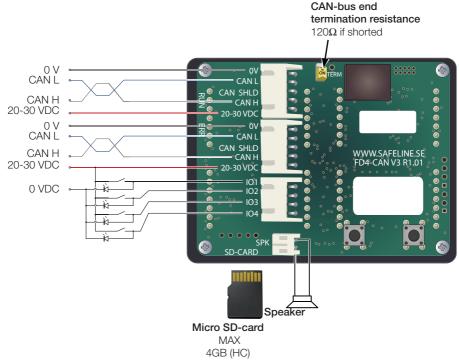
WIRING INSTRUCTIONS FOR FD4-AX

*AX-FD4-VW-B1   *AX-FD4-VW-B2

BROWN	20-30 V
GREEN	CAN H
GREY	Shield
YELLOW	CAN L
WHITE	0 V

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SETTINGS

General settings are made by CAN-wizard.
Settings and audio files can be saved on the micro SD-card.

Micro SD-card
The memory card contains the following folders:
CFG
WAV
FIRMWARE

CFG
In CFG is where the file CONFIG.FD4 is located. It has all the settings of the unit. If an empty memory card is inserted, the unit will by default create a catalog and write a "CONFIG.FD4-file.*

WAV
In WAV is where any sound files, used by the unit, are located. Audio files have to be in the WAV format (16bit, 16kHz mono), and correspond to the search path given in CAN-wizard.

FIRMWARE
When needed updated software can be added here to update the unit.

Update of software:

1. Disconnect the power to FD4-CAN.
2. Insert a micro SD card, that has the new software located in the folder named FIRMWARE for eg. "X:\FIRMWARE\FD4-CAN-03_1.0.0.bin"
3. Press and hold the down-button on the backside of the FD4-CAN, and power up the unit. Hold the down-button until the upper part of the display reads "BLT" and the lower half reads the software version. Then release the down-button. The unit will now start.

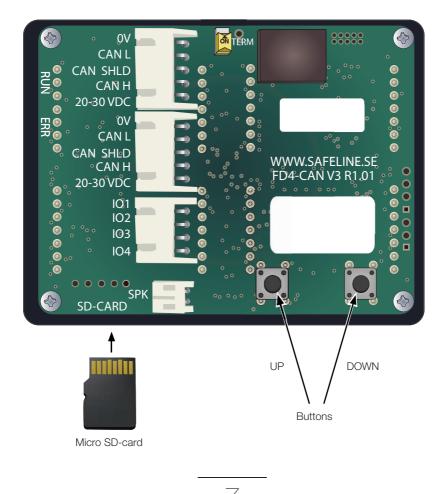*For transfer of settings between units see chapter "Replacing FD4-CAN".

PROGRAMMING

Save settings from FD4-CAN on to a micro SD-card
1.   Disconnect the power to FD4-CAN.
2.   insert an empty micro SD-card into the unit.
3.   Power the FD4-CAN. The transfer starts automatically.
Note that sound files cannot be transfered this way, as they never are stored directly onto the FD4-CAN.

Replacing FD4
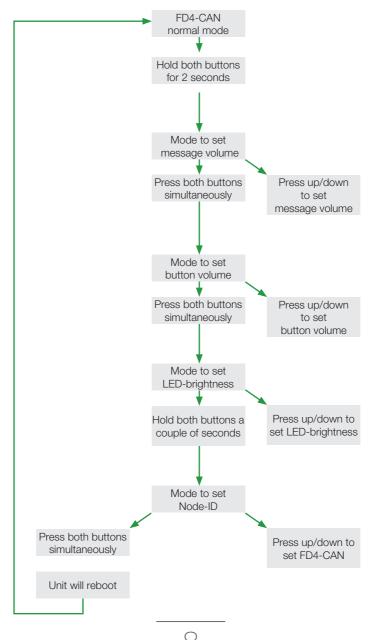1.   Disconnect the power to new unit.
2.   Insert the micro SD-card from the old unit into the new unit.
3.   Press and hold the down-button on the backside of the FD4-CAN, and power up the unit. Hold the button until the upper part of the display reads "CFG" and the lower half reads the software version. Then release the button. The unit will now reboot.

UP   DOWN

Buttons

Micro SD-card

■ Configuration

Volume, LED-brightness and node-ID are configured with the buttons on the back of the unit. If no selection has been made after a couple of seconds the unit will leave the "Settings-menu* and return to normal mode.

Do not change Node-ID! Correct node-ID is set at delivery.

```
                    FD4-CAN
                   normal mode
                        │
                        ▼
                 Hold both buttons
                  for 2 seconds
                        │
                        ▼
                  Mode to set          Press up/down
                 message volume   →        to set
                        │              message volume
                        ▼
               Press both buttons
                 simultaneously
                        │
                        ▼
                  Mode to set          Press up/down
                  button volume   →        to set
                        │               button volume
                        ▼
               Press both buttons
                 simultaneously
                        │
                        ▼
                  Mode to set          Press up/down to
                 LED-brightness  →    set LED-brightness
                        │
                        ▼
               Hold both buttons a
                couple of seconds
                        │
                        ▼
                  Mode to set
                   Node-ID
                   ╱        ╲
          Press both      Press up/down to
           buttons        set FD4-CAN
         simultaneously
              │
              ▼
         Unit will reboot
```
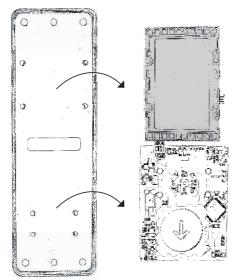
FD4-AX, DIRECTION OF THE BUTTON

FD4-AX with one button (AX-FD4-VW-B1) is by default delivered with the button directing down.
To turn it around, and have the button directing up instead, do the following:

1   Take out the lens/display and the circuite board.
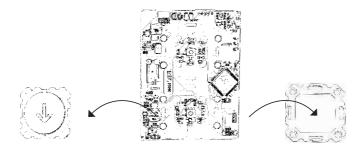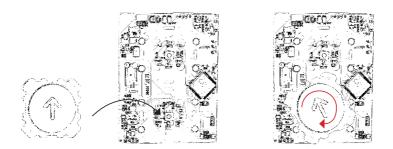

2   Disassemble the two parts.

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3   Disassemble the button.

4   Turn the button around, so that it directs up.
        Place it back in the circuit borad with an angle, and turn it to its correct position.

5   Reassemble the components by doing the steps in reverse order (i.e., step 3, step 2
        and step 1).

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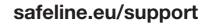E-mail: order@safeline.eu

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