A solution for your lifts

*i*BB

The smart button

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iBB Smart Buttons – iC06 & iC07 for *iCan*

2 wires

iBB smart buttons

$\longleftrightarrow$

iC06 – Can/Smart *iBB* buttons and 8 i/o interface

iC07 – *iBB* Smart buttons
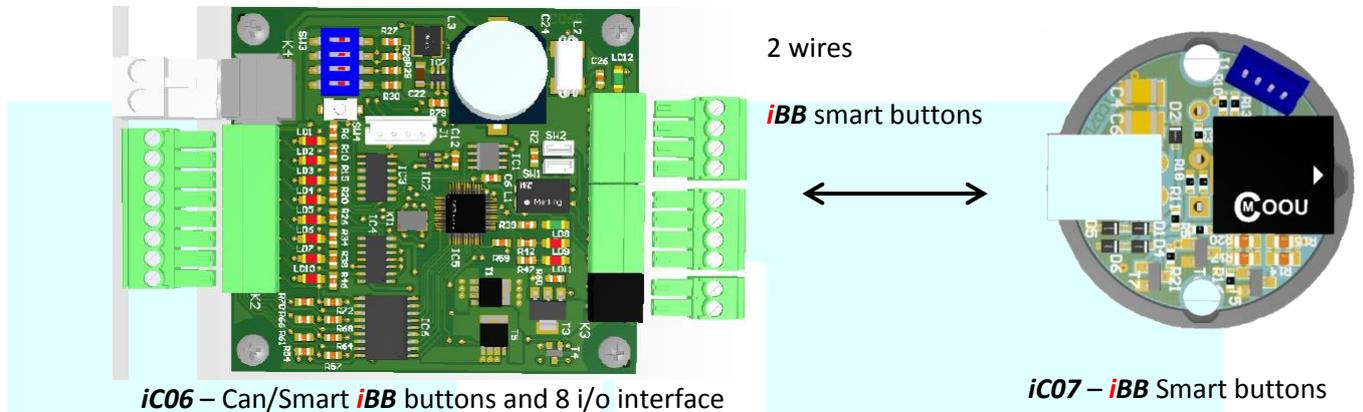
I)   Specifications.

iC06

iC06 Board is the *iCan* interface for *iBB* Smart Buttons.

Interface between iC01 (CAN bus) and iC07 (2 wires).

Can be placed in the Car operation Panel or in the controller panel.

Each Board is able to receive 32 call buttons **+** a >I< and a <I> button.

Supplied by the Main iC01 Board.

8 i/o are available for external devices or special features.

Twisted and Shielded cable is necessary on the Can bus.

Not Twisted and Not Shielded cables can be used for the buttons connection.

The Outputs are Electronic: 24V - 50 mA - 1,2w Maximum.

The Inputs are Normally Opened or Normally Closed depending on the Functions but always triggered with a 0V.

Its T° range is between 0°C and 40°C.

iC07

IC07 is the *iBB* Smart Buttons board.

Supplied by the iC06 Board.

They are able to communicate with the other buttons and keys.

Only 2 reversible wires connections between the buttons.

8 colours are includes.

6 levels of lightening are available for 3 applications (Call registration, Lighted button, Access code).

2 octaves are available for the sound receipt (EN81-70).

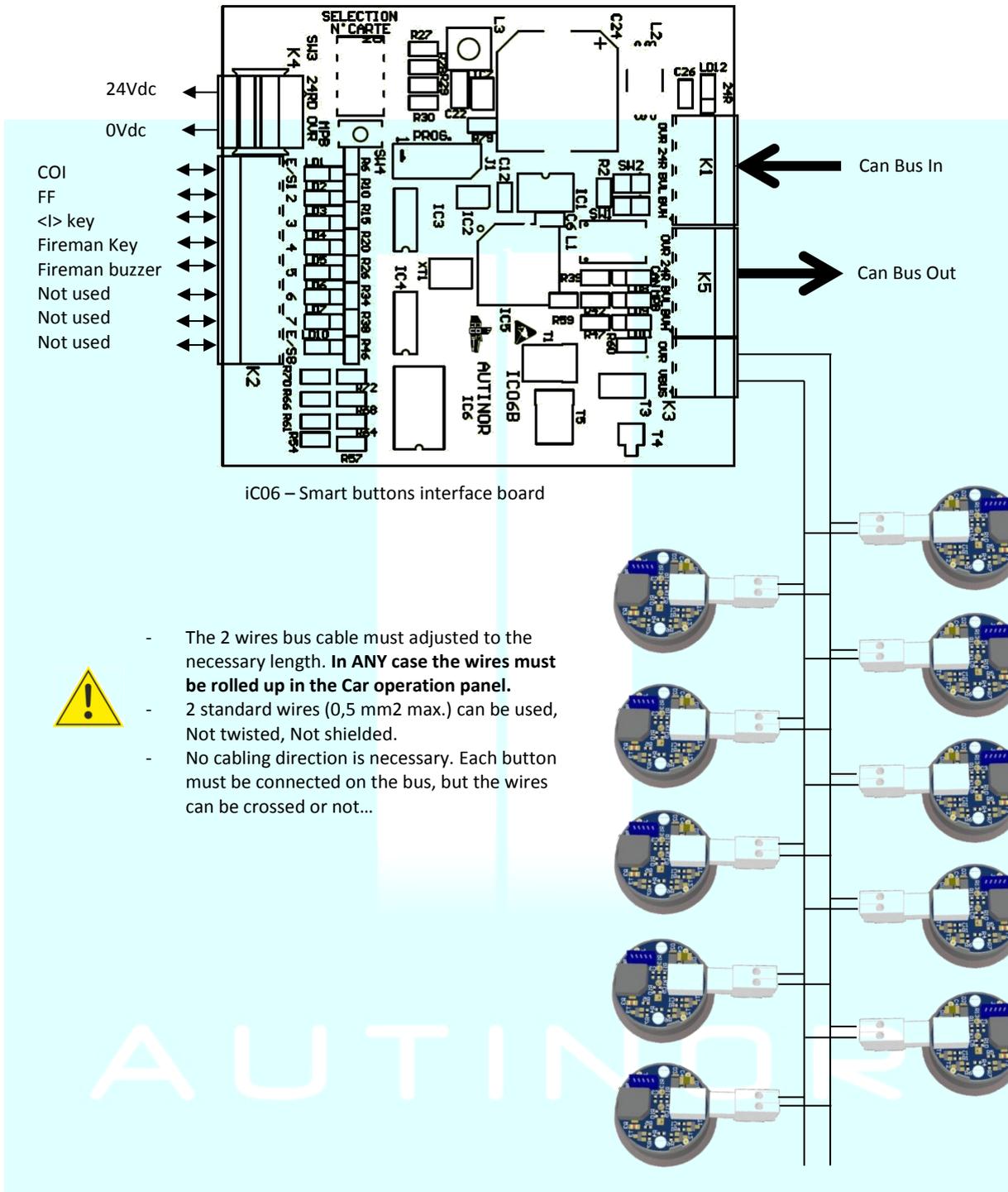Its T° range is between 0°C and 40°C.

Number of iC06 depending on the levels; faces; type of collective

Face(s)	Landing buttons	Levels	Car	Landings	Total
1 face	1 button	2 -> 16	1	1	2
		17 -> 32	1	1	2
		33 -> 48	2	2	4
		49 -> 64	2	2	4
	2 buttons	2 -> 16	1	1	2
		17 -> 32	1	2	3
		33 -> 48	2	3	5
		49 -> 64	2	4	6
2 faces Seléctives Ou	1 button	2 -> 16	2	2	4
		17 -> 32	2	2	4
		33 -> 48	–	–	–
		49 -> 64	–	–	–
	2 buttons	2 -> 16	2	2	4
		17 -> 32	2	4	6
		33 -> 48	–	–	–
		49 -> 64	–	–	–

"_" Not done yet.

II)   Connections.

24Vdc →
0Vdc →

COI ↔
FF ↔
<I> key ↔
Fireman Key ↔
Fireman buzzer ↔
Not used ↔
Not used ↔
Not used ↔

← Can Bus In

→ Can Bus Out

iC06 – Smart buttons interface board

⚠️
- The 2 wires bus cable must adjusted to the necessary length. **In ANY case the wires must be rolled up in the Car operation panel.**
- 2 standard wires (0,5 mm2 max.) can be used, Not twisted, Not shielded.
- No cabling direction is necessary. Each button must be connected on the bus, but the wires can be crossed or not…

1 iC06 interface board is able to receive:

- 32 Car *iBB* buttons maxi + a <I> button and a >I< button.
- 32 Landing *iBB* buttons (16 Up+16 Down) maxi.
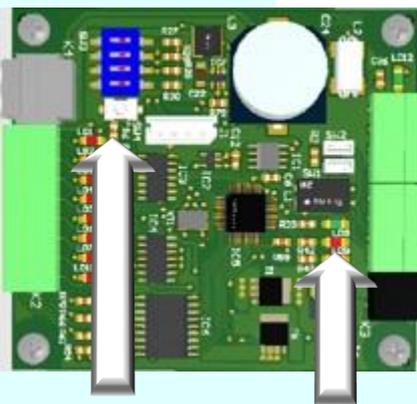- 32 Landing *iBB* buttons (32 Up or 32 Down) maxi.

III) Settings.
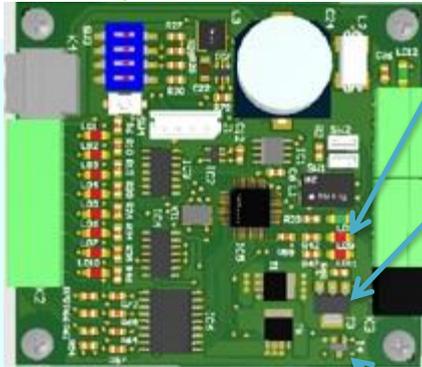
- LED08 (Green): Can communication status. Communication between iC06 & iC01 (Flashes).

- LD09 (Red): Buttons learning phase.
  - On normal: OFF
  - Button Learning procedure: RED (by pushing the programing button during 5s – See after)
  - Ic06 replacement procedure: RED flashes (by pushing the programing button during 5s and keeping it pushed – See after)

- LD10 (Red): 2 wires bus communication status. Communication between iC06 & buttons (Flashes).

⚠ MAXI 32 Buttons / Board

Buttons learning procedure:

1 - Buttons location:	Car		Landings
2 – Face Selection :	Face 1		Face 2
3 – Levels (Car board only):	2 to 32		33 to 63
4 – Not used:			

Push HERE until the (LD09) **LED** Lights
to set the Car / Landings **iButton** or
to replace one or several **iButton**

To program the CAR _iBB_ buttons:

Car buttons iC06

- Set the switches – Location, Face, Level – (See before).

- Push on the programming button of the ic06 board during 5s. LED09 above the button light → you are entering the car buttons learning mode.

- You must now push during 3s on each car button one by one to program them (give them a level and a function – see after).

- You can select the different functions - colors - by pressing the selected button several times :
     o Red :   <I>
     o Blue: >I<
     o Green: Car destination buttons

- When the good color is selected release the button – Beep – It's programmed!

- You **must** program the buttons from the **bottom one to the top one** (if you make a mistake, quit the procedure and start back from the beginning).

- When the highest – Latest - Car button is programmed, you must quit the procedure by pushing the ic06 board button (5s). LED09 will return green (Quit the procedure).

Note: if several ic06 boards are present on the lift, follow the same procedure for each board.
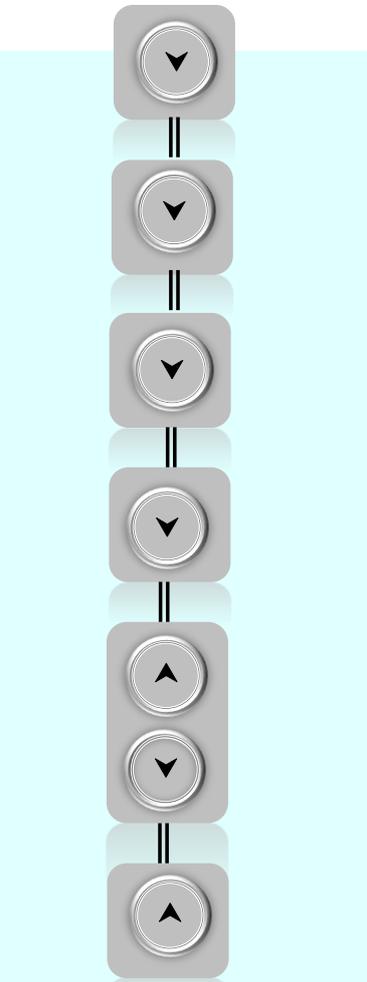
The key functions can be connected directly on the buttons, on the small white plastic connector.
      <I>: is used for the doors maintained open (Cleaning lady).
      C0: is used for the car reservation key.
      C1: is used for the fire man car key.

To program the LANDING *iBB* buttons:

- Set the switches – Location, Face – (See before).

- Push on the programming button of the ic06 board during 5s. LED09 above the button light → you are entering the Landing buttons learning mode.

- Get into the car and get to each floor one by one to program them (the landings order registration doesn't matter).

- Place the car to the level to program it.

- Push on the button during 5s to program them.

- It will light RED: Down landing or Blue: Up landing by pushing on it several times.

  > Note that at the bottom floor, the only possible choice is Blue (up direction call).

- When the right color is selected release the button – Beep - it's programmed!

- When you have registered all the buttons, you must quit the procedure by pushing the ic06 board button during 5s. LED09 will return green (Quit the procedure).

  Note: if several ic06 boards are present on the lift, follow the same procedure for each board.

Landing buttons iC06

The key functions can be connected directly on the buttons, on the small white plastic connector.
Priority landing buttons or keys on each floor.
(See also Menu/site configuration/Buttons/At levels/priority call).

Other settings see iC01: Menu / Site Configuration / Buttons / Smart buttons.

Replacing an iC06 Board:

Connect the new board instead of the old one, push the programming button for 5s, LED09 becomes RED, don't release the button you will see the RED Led flashing – it's done. Quit the procedure by releasing the button and pushing it again, the Led09 lights off.

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