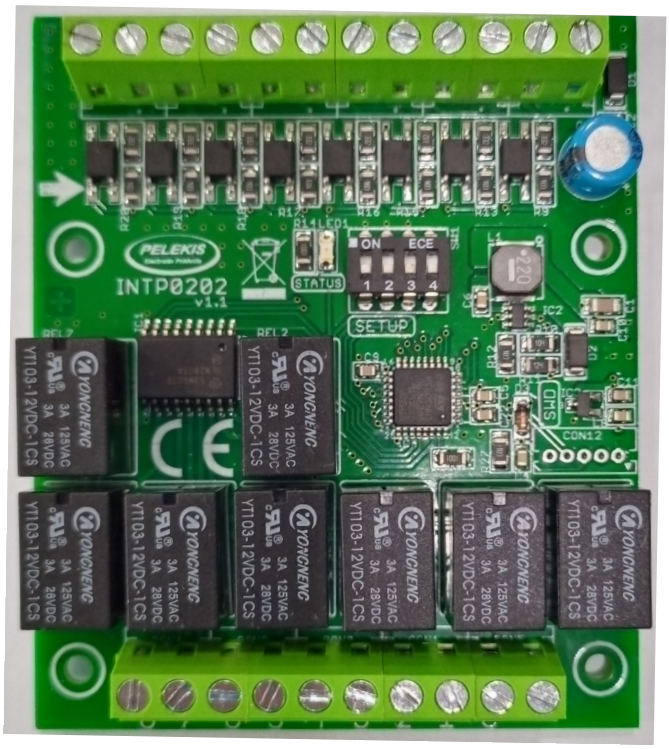
Εγχειρίδιο χρήστη

INTD0202

PROTOCOLS CONVERTER FLOOR—LIFT CONTROLLER (Multiple Protocols)



Please read carefully the instructions in order to get all the benefits of this device.

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PROTOCOLS CONVERTER FLOOR—LIFT CONTROLLER (Multiple Protocols)

INTD0202

www.pelekis.tech

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• General Description:

The device INTD0202 is a protocol signal floor converter from the lift controllerείναι with protocol A , to a connected device (e.g. a floor indicator) with a protocol B.

(For example, our Lift Controller is BCD Protocol , and the floor indicator is Protocol 7-Segment.)

☞ *Note: The INTD0202 is equipped with 8 opto-isolated inputs and 8 Output Dry Contact Relays*

Attention! The installation must be done from qualified personnel.

• Applications:

INTD0202 is used to convert the protocols for:

- Floor Indicators.
- Floor Announcement Device. (e.g. INTD0612)

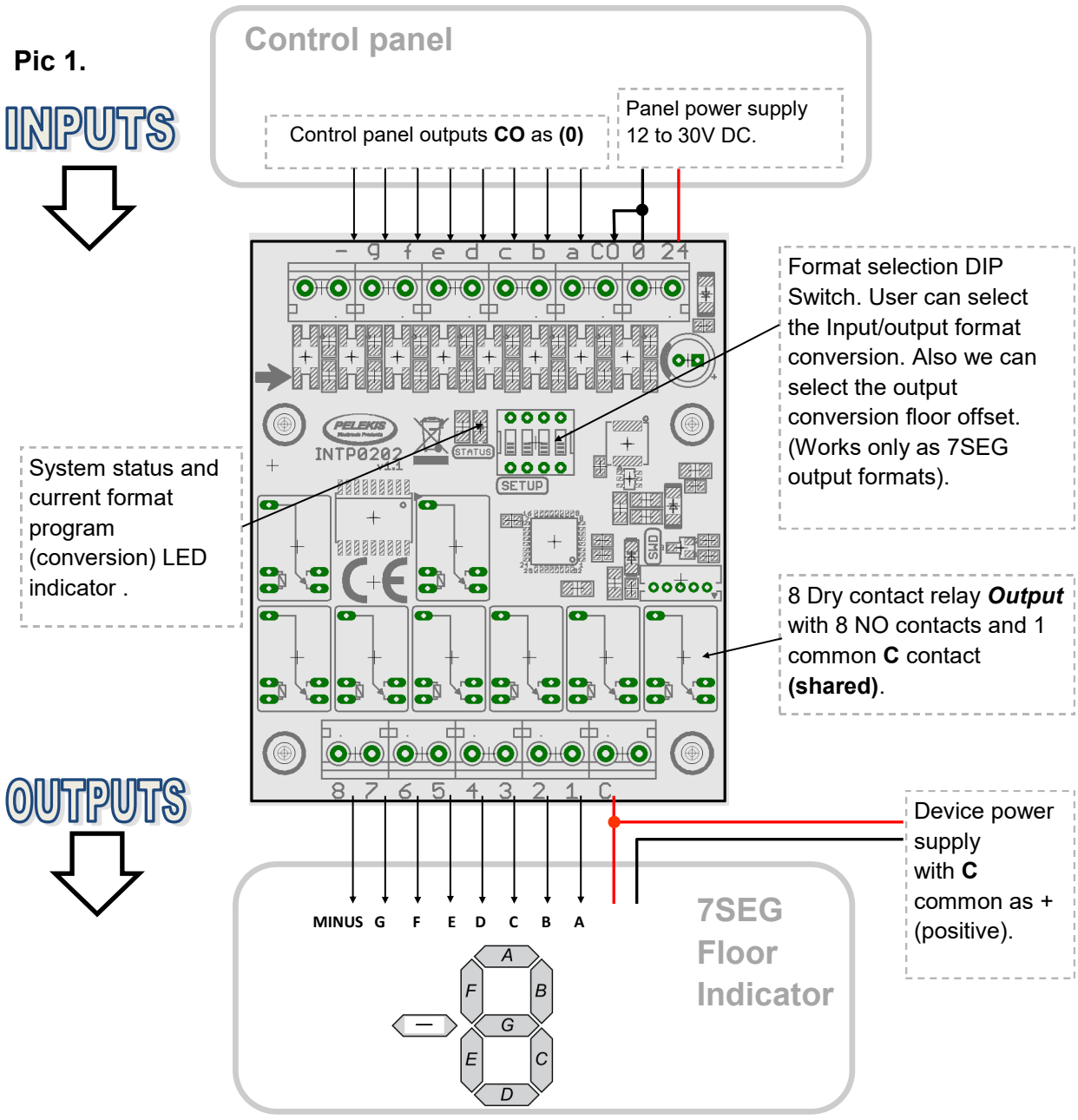
Revision history		
V1.5	1/2020	1st revision.
V1.6	7/2021	Floor offset DIP switch mapping correction.
V1.7	8/2021	Added extra input format BCD/KONE -> OWPF.

Connection diagram:

The required connections between the device and control panel are shown in the picture below (Pic.1).

(Common setup connections for control panel input common CO as 0(negative), and output floor indicator common C as +(Positive). The converter and the floor indicator share the same power supply.

Pic 1.



• Technical Characteristics:

Power supply	12 to 30VDC
Power consumption	4W (All output relay ON) at 12VDC input.
Supported formats ***Control panel→Output device***	7-Seg → OWPF (One wire per floor) 7-Seg → BCD BCD → OWPF (One wire per floor) BCD/KONE → OWPF (One wire per floor) BCD → 7-Seg
Inputs / Outputs	8 optically isolated / 8 dry contact N.O relay
Operating temperature	0-60°C
Operating humidity	10-80%
Dimensions (PCB)	72x85x12 mm (W x D x H)

• Functional description:

Boot after power supply is on.

Once power supply is on, the INTD0202 will run a memory diagnostic for about 2 seconds. During that time the status LED indicator will be ON. After memory diagnostic ends the LED indicator will go OFF and the device automatically enters the current format conversion (Normal mode) and also can be programmed in any time.

Normal mode/Programming mode/Status LED .

In normal mode (after boot) the device converts the inputs signals from control panel to the target device output signals in real time (e.g BDC->7SEG).

The input to output format conversion program can be changed on the fly (Called programming mode) from DIP switch in any time (see Table.1/page 5).

Also output offsetting (Starting floor offset) can be programmed on the fly by DIP switch (see Table.2/page 5).

☞ *Note 1:* The status LED indicator will blink at regular intervals, according to current format conversion selected (see Table.3/page 5).

☞ *Note 2:* The device output scheme consists of dry relay contacts.
This gives us the flexibility to connect output signals (e.g. A floor indicator with its own power supply/And or common, independent of control panel power supply.

☞ *Note 3:* In case of BCD -> OWPF format programming, then DIP switch 2 has an extra programming format conversion (see Table.1/page 5).

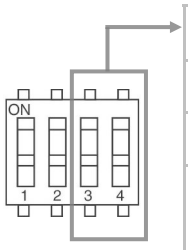
For more details please check page 5 detailed tables.

• Programming mode and LED status indicator

During programming mode (see note below) we can select the required format conversion from DIP switches 3 και 4.

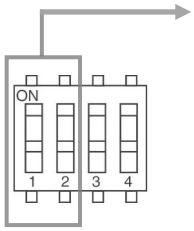
Furthermore we can select the required starting floor output offsetting by selecting DIP switches 1 and 2.

Table 1. Input to Output format conversion setup.



DIP switch 3	DIP switch 4	Format program (**From** → **to**)
OFF	OFF	7-Seg → OWPF (One wire per floor)
OFF	ON	7-Seg → BCD
ON	OFF	BCD → OWPF (One wire per floor) *+ Dip switch 2 OFF*
ON	OFF	BCD/KONE → OWPF (One wire per floor) *+ Dip switch 2 ON*
ON	ON	BCD → 7-Seg

Table 2. Starting floor setup (**output offsetting**).



DIP switch 1	DIP switch 2	Starting floor
OFF	OFF	-3
OFF	ON	-2
ON	OFF	-1
ON	ON	0

Table 3. LED Status indicator behavior for current format conversion program.

Blinks	Format conversion
1 every 2 seconds	7-Seg → OWPF
2 every 2 seconds	7-Seg → BCD
3 every 2 seconds	BCD → OWPF ***or*** BCD/KONE → OWPF
4 every 2 seconds	BCD → 7-Seg

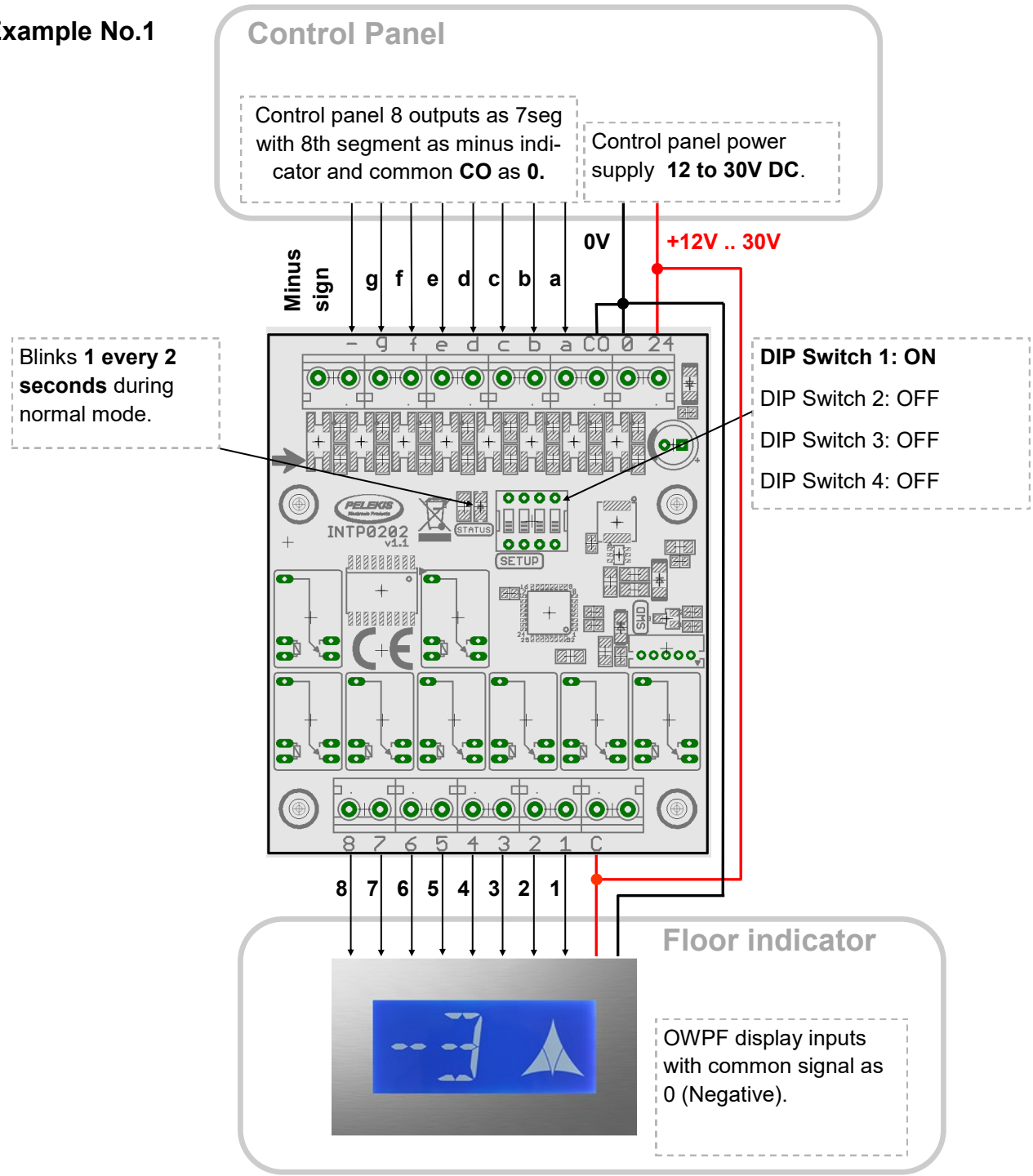
☞ *Note: Programming mode can be entered automatically any time we change a DIP switch setting.*

Connections/format conversion example No.1

We can see in our example No.1, the following connections and system I/O required specs:

* Format: Control panel as **7-Seg** to Display output as **OWPF.**
* Starting floor: **-1.**
* Control panel common: 0 **(Negative)**
* Floor indicator common: 0 **(Negative)**

Example No.1

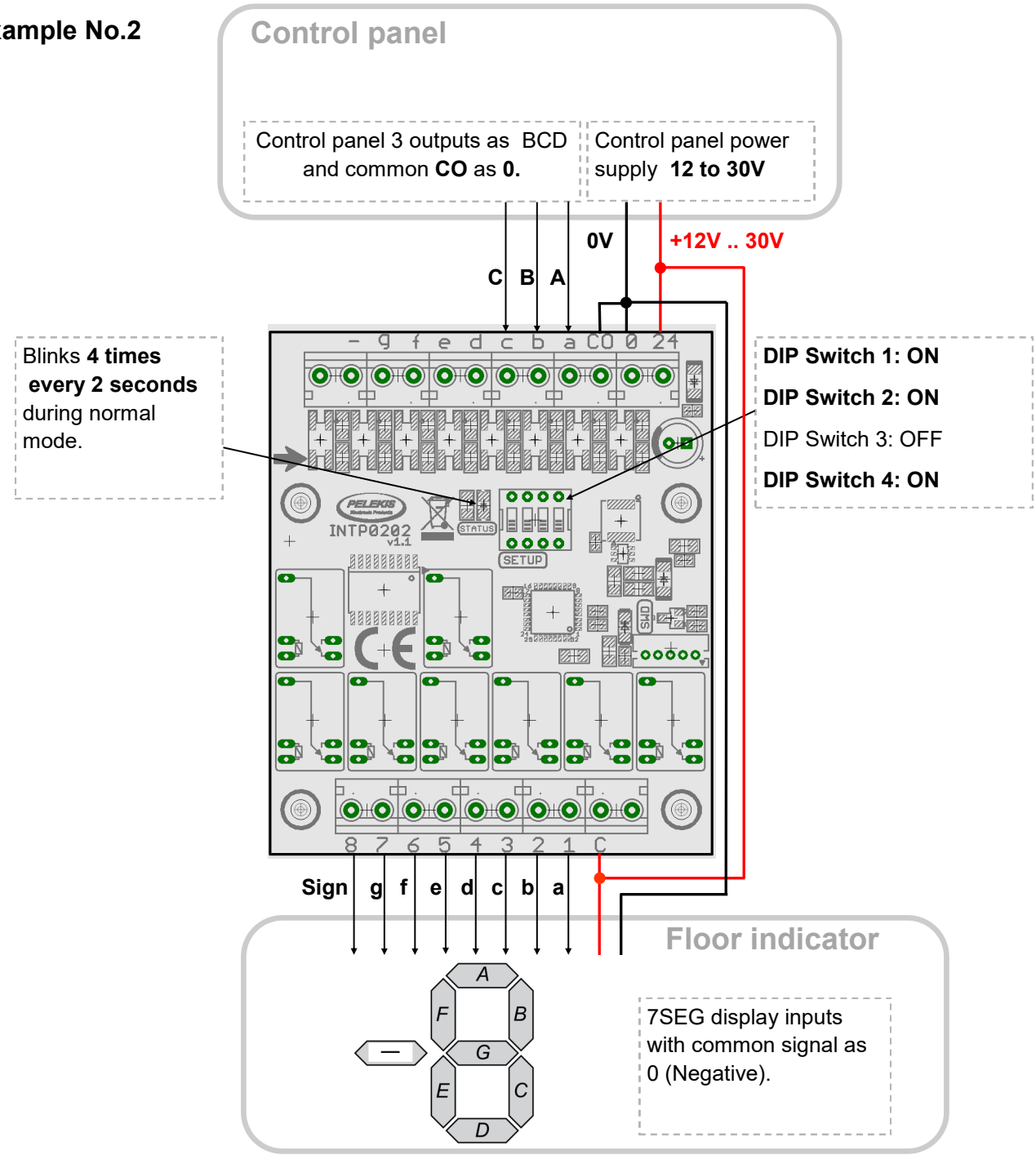


• Connections/format conversion example No.2

We can see in our example No.2, the following connections and system I/O required specs:

* Format: Control panel as **BCD** to Display output as **7-SEG.**
* Starting floor: **-1.**
* Control panel common: 0 **(Negative)**
* Floor indicator common: 0 **(Negative)**

Example No.2



• Τεχνική υποστήριξη

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