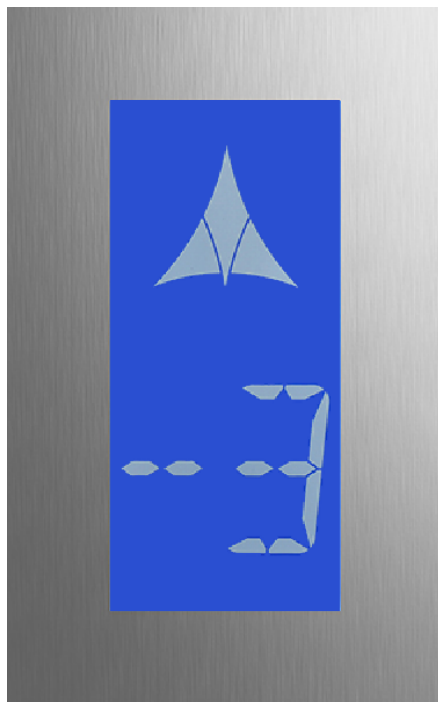


INTD0512  
Monochrome Segment LCD  
Floor Indicator

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- Page 2 Description - Features
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Please read carefully the instructions in order to  
get all the benefits of this device.

Monochrome  
Segment LCD  
Floor Indicator

INTD0512

[www.intelco.com.gr](http://www.intelco.com.gr)

Rev. 1.00 April 2016



## Description:

The INTD0512 device is a high contrast , high quality segment monochrome STN-LCD display floor indicator display.

The device supports various lift controllers input formats, such as, BCD, One Wire Per Floor, Gray, BCD KONE. 2 different inputs formats can be selected by on board DIP switch on the back side of the board.

Also 5 extra “special” inputs S1 to S5 provided for extending display number flexibility (application dependent) .

In addition, the device supports arrow UP/DOWN indication, and Overload/Service indication.

All inputs are optically isolated for maximum electrical safety, and standards compliance.

## Features :

- Up to 32 floor indication ready.
- Service and Overload alarm states.
- Up to 8 different control panel communication protocols.
- On board starting floor selection via dip switch.
- On board communication protocol selection via dip switch.
- On board mezzanine floor selection via dip switch.
- LCD contrast adjust.

**Attention:** Any action on the on board DIP switches, requires restart (power supply cycle ON-OFF) for the changes to take effect.



## Specifications:

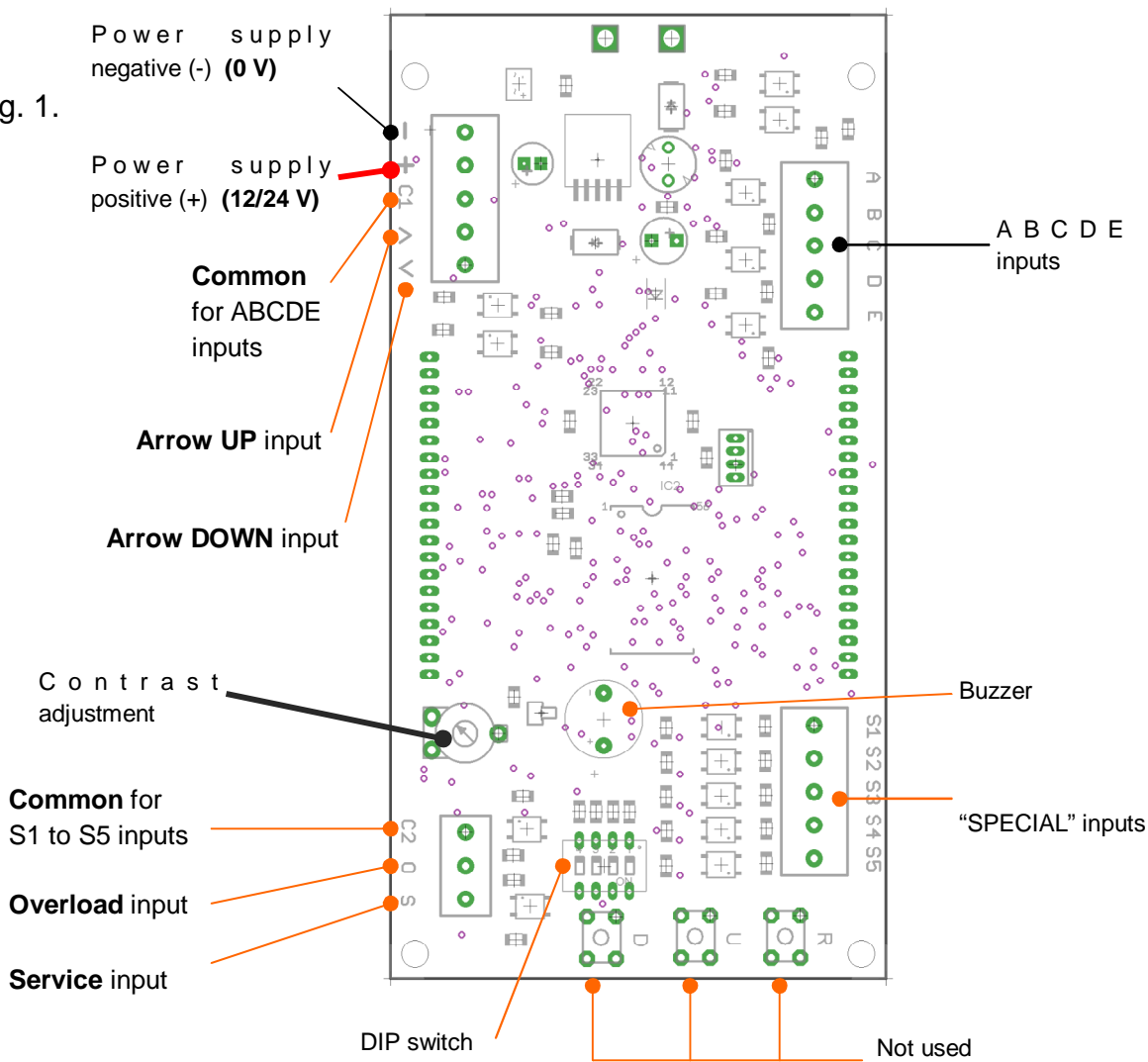
<b>Power supply</b>	<b>12 to 24 V DC/AC</b>
<b>Current consumption</b>	<b>0.05A max (12V DC input/all segments on)</b>
<b>Display resolution</b>	<b>17 Segments + 4 Icons for Arrow UP/DOWN, Overload and Service</b>
<b>Color depth</b>	<b>1bit high quality monochrome</b>
<b>Color format</b>	<b>Blue background , White segments and icons</b>
<b>Input formats supported</b>	<ul style="list-style-type: none"> <li>• One wire per floor</li> <li>• Standard binary (ABCDE)</li> <li>• KONE binary (ABCDE)</li> <li>• Autinor Crep00 and Crep001</li> <li>• Thyssen code</li> <li>• MEA NG12</li> <li>• Magnet detector</li> </ul>
<b>Extra features</b>	<ul style="list-style-type: none"> <li>• <b>On board buzzer for overload.</b></li> <li>• <b>Starting floor indication offset selection using the on board DIP switches. Up to 3 floors margin.</b></li> <li>• <b>Mezzanine floor indication selectable by on board DIP switch.</b></li> <li>• <b>Floor input format selection using the on board DIP switch.</b> Up to 2 input formats per device.</li> <li>• <b>Optically isolated inputs.</b></li> <li>• <b>5 additional inputs for extending display floor number capability.</b></li> <li>• <b>Contrast adjustment support.</b></li> </ul>
<b>Operation temperature</b>	<b>0-80°C</b>
<b>Operation humidity</b>	<b>10-80% (non condensing)</b>
<b>Dimensions (External)</b>	<b>144.9 x 75.7 x 21.95 mm (H x W x D)</b>
<b>Weight</b>	<b>150g</b>

Connection to a lift controller using BCD input format, arrows UP/DOWN, overload, and service, as seen on figure 1.

(PCB as seen on bottom layer, behind LCD display screen).

### Wiring – Connection:

Fig. 1.



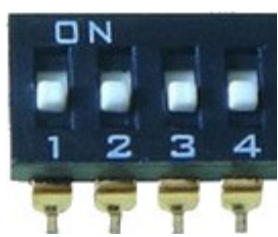


**DIP switch setup:**

The device's on board DIP switch located on the back of the LCD screen display serve various functions for it, and are explained in detail below (*DIP switch layout*).

*DIP switch layout*

A/A	Dip Switch			BCD
	1	2	3	
1	OFF	OFF	OFF	-3,-2,-1,0,H,1,2,3,4,5,6,7,8,9
2	OFF	ON	OFF	-3,-2,-1,,1,2,3,4,5,6,7,8,9
3	OFF	OFF	ON	-2,-1,0,H,1,2,3,4,5,6,7,8,9
4	OFF	ON	ON	-2,-1,0,1,2,3,4,5,6,7,8,9
5	ON	OFF	OFF	-1,0,H,1,2,3,4,5,6,7,8,9
6	ON	ON	OFF	-1,0,1,2,3,4,5,6,7,8,9
7	ON	OFF	ON	0,H,1,2,3,4,5,6,7,8,9
8	ON	ON	ON	0,1,2,3,4,5,6,7,8,9



A/A	Dip Switch	Program Mode
	4	
1	ON	One wire per floor
2	OFF	BCD

*Depends by Version*

← Scenario 1

Or

← Scenario 2

A/A	Dip Switch	Program Mode
	4	
1	ON	Binary for Kone
2	OFF	Binary