



# PRODUCT CATALOGUE

## ELEVATOR DEPARTMENT

2017 - 2018

### Featured Products

3 Point Communication (EN81-20, EN81-28)

Slim Emergency phone (EN81-28)

GSM Gateway 3G

LED Shaft Light with emergency backup (EN81-20)

NFC access control

MP3 Voice announcement

Floor indicators (TFT - LCDs -7 segment )



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# WELCOME



Intelco Electronics was founded in 1989 aiming on the development, industrial production and disposal of electronics. We are steadily oriented in constructing quality products and we are certified by TUV Austria Hellas according standard ISO 9001/2015 the last seven years. Intelco Electronics is a Family Business partnership passed from father to son with a successful transition to sibling generation leadership. The organization chart of the company defines the roles of the employees and places responsibilities with meritocracy.

Our manufacturing process is divided into three major areas, **Elevators, LED lighting and H.V.AC.**

Each department has specialized staff, always willing to serve the customer at every demand. We have established a well-functioning team with common values, vision, and goals. The good of the business, is our objective and mission, regardless the concern of each individual and that makes us successful as a team.

Having 28 years of life (established in 1989) Intelco Electronics has become a leader in The Greek market.

The last 15 years Intelco Electronics is known outside Greek borders, having a great export activity in major European countries such as **England, France, Germany, Holland, Italy, Cyprus, Poland.**

We are also under discussion with international companies from **United Arab Emirates, Dubai** having great demand on our high quality products.

Commitment to our clients is a high priority to our business. We do not compromise on our values and rules.

**We do not trust words, we trust actions.**

Pelekis Evaggelos - CEO



TFT - LCDs



DOT-MATRIX DISPLAYS



KEYLOCKS



BATTERY CHARGERS

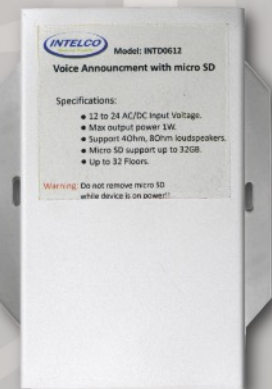


7 SEGMENT DISPLAYS

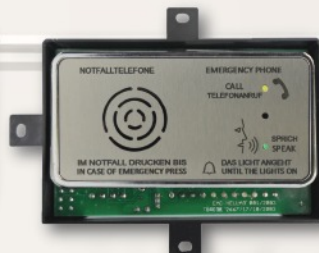


GSM GATEWAYS

VOICE ANNOUNCEMENTS



EMERGENCY PHONES



# Elevator Department

In the section of elevators, Intelco Electronics has gained a trustful brand name and prevailed on all competition the last 28 years. Cooperating with greatest Greek companies and accomplishing every project assigned , we managed to build a great reputation.

In **Olympic Games** in 'Athens 2004' ,we were the major supplier of electronics for elevator and everything was perfectly executed with responsibility and professionalism.

Our elevator department is designing and developing high-end electronic products , according to the latest European Standards and Directives for lifts (EN81-20 , EN81-28) and that, places us at the top of the list of European suppliers.

Intelco Electronics applies a Quality Management System in line with ISO 9001:2015 Standard, in Design, Assembly & Trade of electronic devices since 2005.

## SHAFT ACCESSORIES

### LED Shaft Light System



#### MODEL DESCRIPTION

LED Shaft light and Emergency backup complete system with LED Tubes, power switches, cables and battery backup charger.

Model No.	SL1
Power Supply	12V -230V AC 50Hz
Power Consumption	10W peak (Bulk charging), 3W(Standby)
LED Tubes power consumption	Normal mode - 20W Emergency mode -3W
Battery type	Sealed Lead Acid GEL type 12V/3.2Ah
Battery Charger Type	2 Step bulk charge
Pit Light Switch box power socket	1KW
Tubes length	120cm (4 ft)
Operation temperature	0-80°C
Product List	<ul style="list-style-type: none"> <li>• CEM (Control Box)</li> <li>• MSR ( Machine Room)</li> <li>• PLS (Pit Light Switch)</li> <li>• CLS (Car Light Switch)</li> <li>• T4E (Light Tube)</li> <li>• EXL-1 (Extension Cable 1m)</li> <li>• EXL-5 (Extension Cable 5m)</li> <li>• EXL-6 (Extension Cable 10m)</li> </ul>

### Battery Charger



#### MODEL DESCRIPTION

Shaft light LED emergency backup with on board SLA battery charger DIN Rail mounted.

Model No.	INTD0833
<b>AC Input</b>	
Nominal AC input voltage	230V +/-10%
Supported AC sources	Single phase
AC input frequency	50Hz
<b>DC Output</b>	
DC Charging voltage	13.6V +/- 2%
DC Charging current (peak limited)	0.3A
Protection	Mains fuse, Charging current limiter (battery short), Temperature current limiter
Battery Type	Sealed lead acid, 12V/3.2Ah
Max continuous LED light power rating during battery backup	5A (Contact rating)
Dimensions	106x90x57
Weight	260gr

## EMERGENCY PHONE SYSTEM

### 3 Points Communication - Emergency Phone



#### MODEL DESCRIPTION

Slim Emergency phone for 3 point communication setup with "hands-free" capability and 4 preset stored telephone numbers. Device help the service personnel to escape the shaft in a case of emergency.

Model No.	INTD0902
Power Supply	12 to 48VDC or Tel. Line
Audio controls	Mic to Loudspeaker ballance
Extra features	Self powered from telephone line Pogramming keypad interface
Protection	Input overvoltage
Dimensions	103x184x24 mm
Weight	350 gr

### GSM Gateway



#### MODEL DESCRIPTION

GSM gateway device is ideal for any lift installation that lack of normal telephone line connection. Utilizing Voice, SMS, Data, plus the 2 voice recorded messages for both trapped passenger and the rescue service office, make this device fully compatible with the new EN81-28 European Standard.

Model No.	INTD0909
Power Supply	230 V AC. 6V/1.3Ah SLA battery for backup
Battery Autonomy	Up to 8 hours.
Inputs	2 Optically isolated inputs
Outputs	2 "Dry" relay contact
Extra Features	<ul style="list-style-type: none"> <li>● Dialling IEN (112) without SIM card</li> <li>● Real time battery status monitoring/charging.</li> <li>● Remote device monitoring/control through SMS texting</li> <li>● Matches perfectly with Emergency phone (INT0900) for extra call accuracy and performance</li> </ul>
Dimensions	200x136x52 mm
Weight	1Kg

## EMERGENCY PHONE SYSTEM

### Emergency Phone



#### MODEL DESCRIPTION

Lift floor Emergency phone with "hands-free" capabilities and on board memory stored telephone number presets.

Model No.	INTD0900
Power Supply	Telephone line
Emergency Call Numbers	Up to 4
Inputs	<ul style="list-style-type: none"> <li>12 to 24 V DC for "NOT CALL FILTER" activate.</li> <li>Emergency dry contact inputs.</li> <li>Phone signal from GSM terminal or provider.</li> </ul>
Outputs	<ul style="list-style-type: none"> <li>Relay "dry" contacts (NC/NO)</li> <li>Pictograms</li> </ul>
Extra features	<ul style="list-style-type: none"> <li>Call in progress detection (Busy/Not answer).</li> <li>Hands free micro trimming function.</li> <li>Remote control using DTMF commands.</li> <li>Extended user command set</li> </ul>
Dimensions	160x120x30 mm
Weight	225gr

### Slim Emergency Phone



#### MODEL DESCRIPTION

Lift floor Emergency phone with "hands-free" capability, quick call button and slim design for space constrained applications. This device is combined with GSM INTD0909

Model No.	INTD0904
Power Supply	12 to 48VDC or Tel. Line
Audio controls	Mic to Loudspeaker balance
Extra features	Self powered from telephone line
Protection	Input overvoltage
Dimensions	196x89x22 mm
Weight	170gr

## CABIN ACCESSORIES

### MP3 Voice Announcement



#### MODEL DESCRIPTION

MP3 voice announcement with CD quality capability playback (from micro SD card) and multiple input formats support. Also "gong" special input and on board audio power amplifier

Model No.	INTD0612
Power Supply	12/24V DC/AC(50Hz)
Power Consumption	3.5W continues, with all peripherals and all LEDs activated
Inputs	Group A: ABCDE Group B: GD(↓), GU(↑), DO(Door Open), DC(Door Close) Extra: GN(Gong) , E(ECO)
Outputs	Loudspeaker 4-8 Ohm/ >10W
Storage	Type: microSD card Supported sizes: Up to 32GB Format: Windows(FAT32) Supported classes: 2,4,6,10
Supported file type	MP3 (Up to 128Kbps /44,1Khz/Stereo)
Additional features	Supported application INTELCO Voice Manager for configuring the device.
Dimensions	145x190x50mm (WxDxH)
Weight	<1Kg

### Keylock (Anti-Theft)



#### MODEL DESCRIPTION

High durability (anti vandal) keylock access pad with multiple user password on board memory and administrator master password. Up to 8 on board output relays control.

Model No.	INTD1001
Power Supply	12 to 24 V (AC/DC)
User code storage	Up to 8
Administrator code storage	Up to 1
Output relay functions	Latch ON/OFF supported, Pulse output with programmable ON time.
Extra features	<ul style="list-style-type: none"> <li>• Reset user password per floor.</li> <li>• Programmable ON time per floor.</li> </ul>
Protection	Anti-Theft keys/frame.
PCD Dimensions	71,5x80,5x13 mm
PCB mounting hole diameter	5 mm
Weight	540gr

## CABIN ACCESSORIES

### Emergency LED light Kit



#### MODEL DESCRIPTION

This product is an efficient led light driver for up to 6 units<sup>(1)</sup>, and also an SLA 12V/1.3Ah battery charger with automatic led spot switchover from mains power to emergency backup (battery). Also it has an on board dimmer controller with timer function. Various protection circuits on-board added, including short circuit on output and open loop over voltage.

Model No.	FRWD0805
Input voltage	230V AC (195 - 260V input range)
Operational modes	2 total. MODE I <sup>(2)</sup> or MODE II <sup>(2)</sup>
Power consumption	30W peak (Tamb:27 deg/Battery charged at 25%)
Extra features	12V/1.3Ah SLA smart battery charger Low voltage battery disconnect Dimmer funtion with bypass input Dimming delay function (10min resolution) Microcontroller system supervisor
Protections	Mains line overvoltage Mains line undervoltage Thermal shutdown (Hysteretic) Adaptive SLA battery charger DC Short circuit non latching shutdown DC Open loop non latching shutdown
Dimensions	(H x W x L) 22 x 22 x22 mm
Weight (Incl.Battery)	940g

### Emergency LED light ( 50mm Diameter)



#### MODEL DESCRIPTION

This product is a led light is specially designed for 12V lift cabin light systems, and it can replace easily any halogen 12V light. It can be perfectly connected with our Emergency Led Light controller FRWD0805 & FRWD0803 products.

Model No.	F12_01
Power Supply	12V (AC/DC)
Light output power	145 Lm/Watt
Power consumption	2.7W (At VIN:12VDC/Tamb:27 deg)
Extra features	Wide angle led component Mounting lock bracket (Anti-theft)
Protection	Power supply reverse polarity Thermal current limiter
Optical view diameter	50 mm
Total diameter (Including ring)	79.5 mm
Weight	100gr

<sup>(1)</sup> INTELCO led lights supported only (Driver output:12VDC +/- 5%)

<sup>(2)</sup> MODE I: When mains power is ON, main led lights are ON, main/emergency led lights ON, emergency led lights are OFF  
When mains power is OFF, main led lights are OFF, main/emergency led lights ON, emergency led lights are ON  
MODE II: When mains power is ON, main led lights are ON, main/emergency led lights ON, emergency led lights are OFF  
When mains power is OFF, main led lights are OFF, main/emergency led lights are ON, emergency led lights are ON

## CABIN ACCESSORIES

### NFC Access Control System



#### MODEL DESCRIPTION

Cabin access control system with NFC technology and mobile peer-to-peer connectivity. A user friendly mobile app for NFC card setup is included.

Model No.	INTD0820
<b>NFC Reader Device</b>	
Power Supply	5V DC
Outputs	8 Relay
<b>NFC Cards</b>	
Administrator Card	888 Bytes
User Card	525 Bytes
Maximum User Cards	124

## FLOOR INDICATORS

### TFT - LCD Display



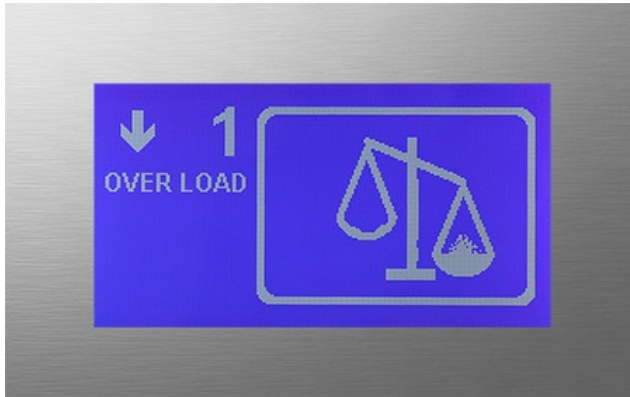
### MODEL DESCRIPTION

TFT-LCD colour floor indicator with editable graphics, on board micro SD card, all known input format support, horizontal/vertical mount (user selectable switch).

Model No.	INTD0521
Power Supply	12/24V DC/AC
Floor Range	Up to 32 Floors, Up to 10 Backgrounds, Up to 1 Arrow Up to 1 Banner
Input Format	All known, User specific
Media Storage	Type: microSD card Volume support: 1,2,4,16 and 32GB File format support: Windows (FAT32) Speed class support: 2,4,6,10
Extra features	800x480 screen resolution/16bit RGB colour On board temperature sensor. Bitmap RGB/565 file format support for Floor/Arrow/Special indication. INTELCO PC Suite software support for customizing floor number graphics/Arrow indication loop order, input formatting , semi floor on/off, display 0-90 orientation.e.t.c. OS compatibility: Windows XP/7/8/10 (32bit)
Extra inputs	On board display orientation switch 0 or 90 degrees hardware rotation
Protection	Optically isolated inputs, Input surge
Dimensions	135x85x33 mm
PCB mounting hole diameter	3 mm
View area	109x65 mm

## FLOOR INDICATORS

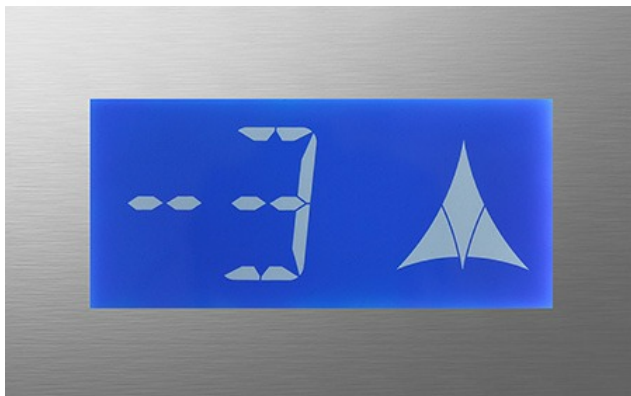
### STN-LCD Display



#### MODEL DESCRIPTION

STN-LCD dot matrix Display B/W floor indicator with editable monochrome graphics and on board micro SD card.

Model No.	EMHDO501
Power Supply	12 to 24 V (AC/DC)
Floor Indication range	Up to 99
Input formats	All known, User specific
Dot available colours	Clear white with blue background
Protection	Optically isolated inputs
PCB dimensions	143x104x46 mm
PCB mounting hole diameter	3,5 mm
View area	115x64 mm



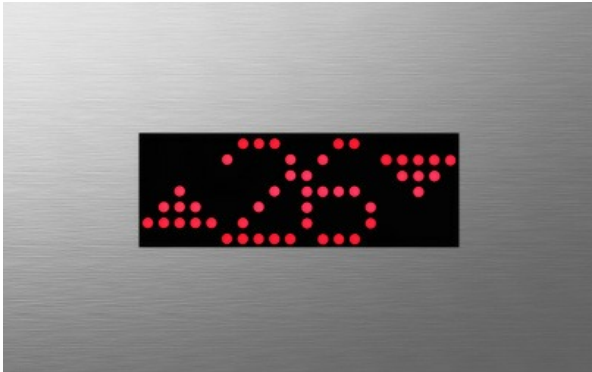
#### MODEL DESCRIPTION

STN-LCD segment Display B/W floor indicator with standard "segment style" monochrome graphics.

Model No.	INTDO511
Power Supply	12 to 24 V (AC/DC)
Floor Indication range	Up to 99
Input formats	All known, User specific
Segment available colours	Clear white with blue background
Protection	Optically isolated inputs
PCB dimensions	142x75,5x20 mm
PCB mounting hole diameter	4 mm
View area	127x57 mm

## FLOOR INDICATORS

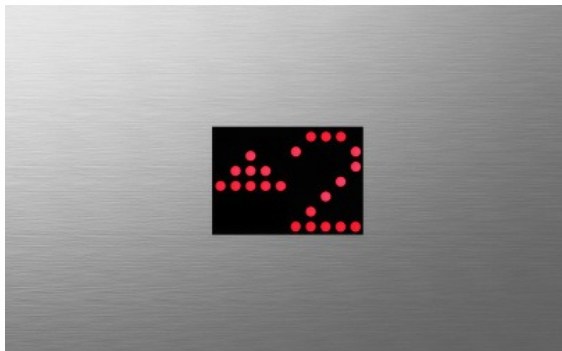
### 1" Dot Matrix Display



#### MODEL DESCRIPTION

1.0" 4 digit dot matrix floor indicator with double arrow direction indication and adjustable starting floor.  
Scrolling messages & arrow up/down support.

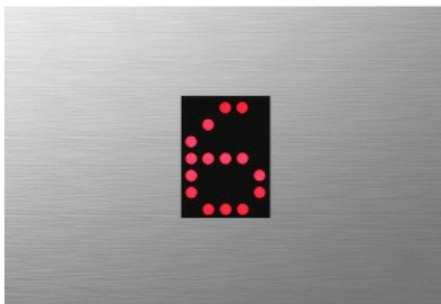
Model No.	INTD0444
Power Supply	12 to 24 V (AC/DC)
Floor Indication range	Up to 99
Input formats	All known, Customer specific
Dot available colours	Red, Blue
Protection	Optically isolated inputs
PCB dimensions	120x63x26 mm
PCB mounting hole diameter	92x32 mm



#### MODEL DESCRIPTION

1.0" 2 digit dot matrix floor indicator and adjustable starting floor.  
Scrolling arrow up/down support.

Model No.	EMHD0461
Power Supply	12 to 24 V (AC/DC)
Floor Indication range	Up to 99
Input formats	All known, Customer specific
Dot available colours	Red, Blue
Protection	Optically isolated inputs
PCB dimensions	75x67x20 mm
PCB mounting hole diameter	52x32 mm



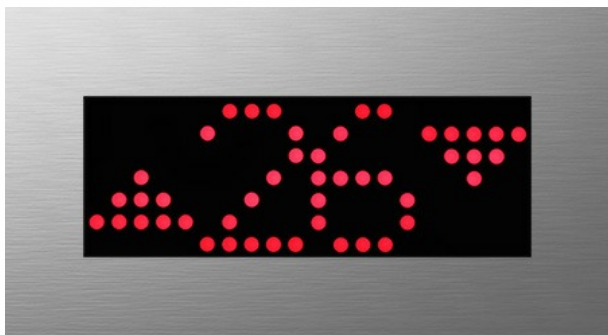
#### MODEL DESCRIPTION

1.0" 1 digit dot matrix floor indicator with adjustable starting floor.

Model No.	EMHD0431
Power Supply	12 to 24 V (AC/DC)
Floor Indication range	Up to
Input formats	All known, Customer specific
Dot available colours	Red, Blue
Protection	Optically isolated inputs
PCB dimensions	50x70x20 mm
PCB mounting hole diameter	32x32 mm

## FLOOR INDICATORS

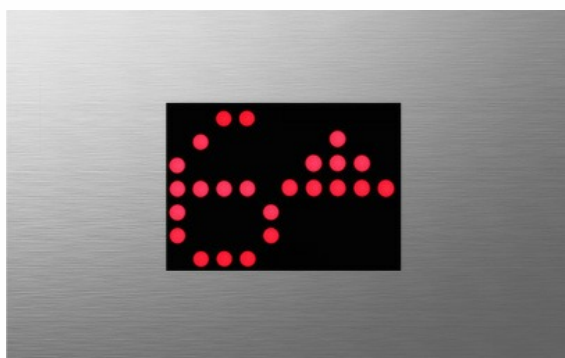
### 2" Dot Matrix Display



#### MODEL DESCRIPTION

2.0" 4 digit dot matrix floor indicator with double arrow direction indication and adjustable starting floor. Scrolling messages & arrow up/down support.

Model No.	INTD0461
Power Supply	12 to 24 V (AC/DC)
Floor Indication range	Up to 99
Input formats	All known, User specific
Segment available colours	Red, Blue
Protection	Optically isolated inputs
PCB dimensions	155x68x28 mm
PCB mounting hole diameter	4 mm
View area	152x53 mm



#### MODEL DESCRIPTION

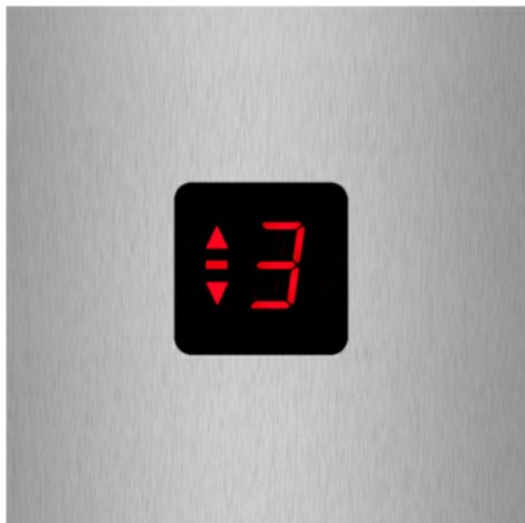
2.0" 2 digit dot matrix floor indicator with arrow direction indication and adjustable starting floor.

Arrow up/down support.

Model No.	INTD0451
Power Supply	12 to 24 V (AC/DC)
Floor Indication range	-3 to 9 (14 floors total)
Input formats	All known, User specific
Segment available colours	Red, Blue
Protection	Optically isolated inputs
PCB dimensions	77x84x22 mm
PCB mounting hole diameter	4 mm
View area	76x53 mm

## FLOOR INDICATORS

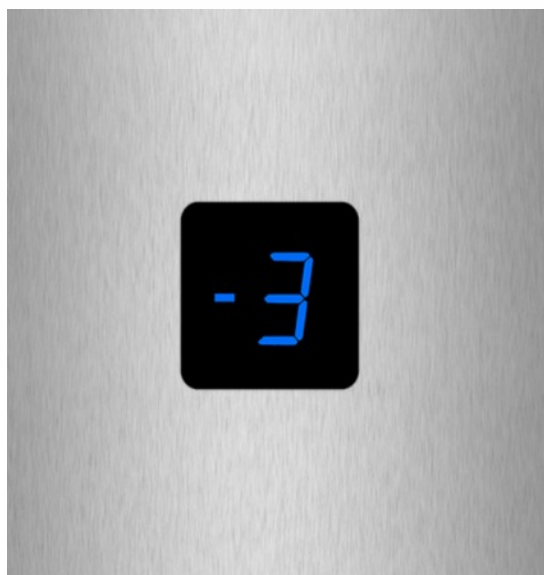
### 0,8" 7 Segment Display



#### MODEL DESCRIPTION

0.8" Seven segment floor indicator with arrow direction indication and adjustable starting floor.

Model No.	EMHD0342
Power Supply	12 to 24 V (AC/DC)
Floor Indication range	Up to 18
Input formats	All known, Customer specific
Segment available colours	Red, Blue
Protection	Optically isolated inputs
PCB dimensions	60x50x20 mm
PCB mounting hole diameter	3.5 mm
View area	32x28 mm



#### MODEL DESCRIPTION

0.8" Seven segment floor indicator with adjustable starting floor.

Model No.	EMHD0332
Power Supply	12 to 24 V (AC/DC)
Floor Indication range	Up to 18 (-9 to 9)
Input formats	All known, Customer specific
Segment available colours	Red, Blue
Protection	Optically isolated inputs
PCB dimensions	60x50x20 mm
PCB mounting hole diameter	3,5 mm
View area	28x28 mm

## FLOOR INDICATORS

### 1" 7 Segment Display



#### MODEL DESCRIPTION

1.0" Seven segment floor indicator with adjustable starting floor.

Model No.	EMHD0304
Power Supply	12 to 24 V (AC/DC)
Floor Indication range	Up to 18 (-9 to 9)
Input formats	All known, User specific
Segment available colours	Red, Blue
Protection	Optically isolated inputs
PCB dimensions	81x62x22,5 mm
PCB mounting hole diameter	3,5 mm
View area	30x34 mm

### 1.2" 7 Segment Display



#### MODEL DESCRIPTION

1.2" Seven segment floor indicator with arrow direction indication and adjustable starting floor.

Model No.	INTD6371
Power Supply	12 to 24 V (AC/DC)
Floor Indication range	Up to 18 (-9 to 9)
Input formats	All known, User specific
Segment available colours	Red, Blue
Protection	Optically isolated inputs
PCB dimensions	58x70x21 mm
PCB mounting hole diameter	3,5 mm
View area	46x40 mm

## FLOOR INDICATORS

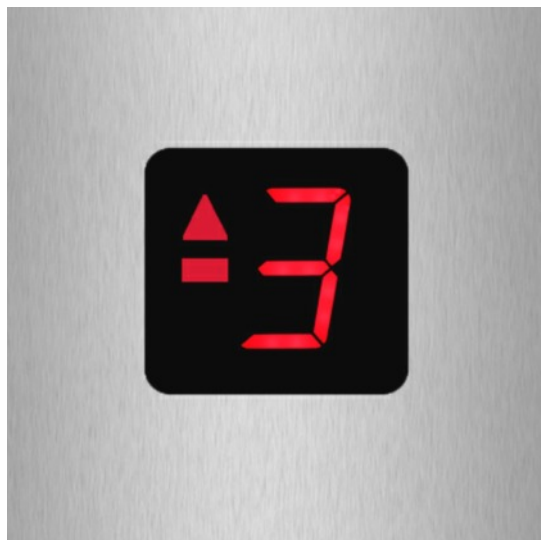
### 1,5" 7 Segment Display



#### MODEL DESCRIPTION

1.5" Seven segment floor indicator with adjustable starting floor.

Model No.	ITAD6302
Power Supply	12 to 24 V (AC/DC)
Floor Indication range	Up to 18 (-9 to 9)
Input formats	All known, Customer specific
Segment available colours	Red, Blue
Protection	Optically isolated inputs
PCB dimensions	44x53x28 mm
PCB mounting hole diameter	2,5 mm
View area	42x44 mm



#### MODEL DESCRIPTION

1.5" Seven segment floor indicator with arrow direction indication and adjustable starting floor.

Model No.	INTD6301
Power Supply	12 to 24 V (AC/DC)
Floor Indication range	Up to 9
Input formats	All known, User specific
Segment available colours	Red, Blue
Protection	Optically isolated inputs
PCB dimensions	62X90X14 mm
PCB mounting hole diameter	4 mm
View area	48X42 mm

## FLOOR INDICATORS

### 1,8" 7 Segment Display

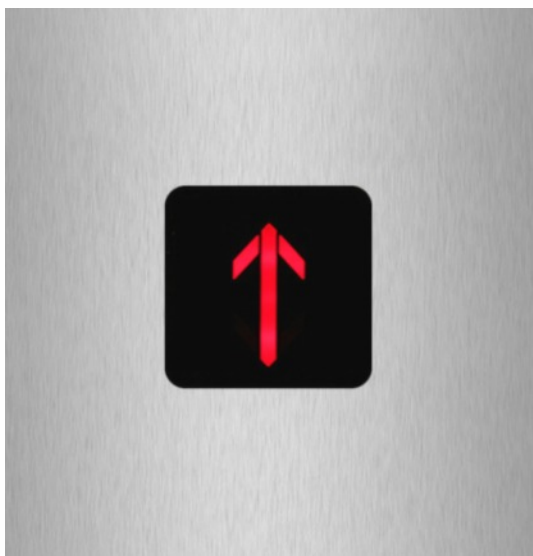


#### MODEL DESCRIPTION

1.8" Seven segment floor indicator with adjustable starting floor.

Model No.	EMHD0351
Power Supply	12 to 24 V (AC/DC)
Floor Indication range	Up to 18 (-9 to 9)
Input formats	All known, Customer specific
Segment available colours	Red, Blue
Protection	Optically isolated inputs
PCB dimensions	84x78x25 mm
PCB mounting hole diameter	3 mm
View area	80X52 mm

### Arrow Display



#### MODEL DESCRIPTION

Arrow segment direction indicator.

Model No.	ITAD6102
Power Supply	12 to 24 V (AC/DC)
Segment available colours	Red, Blue
View area	From 0.8" to 1.8"

## NOTES

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.



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