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ELEKTRONİK



IE1009 Unique[®] Automatic Door Control Card User Manual

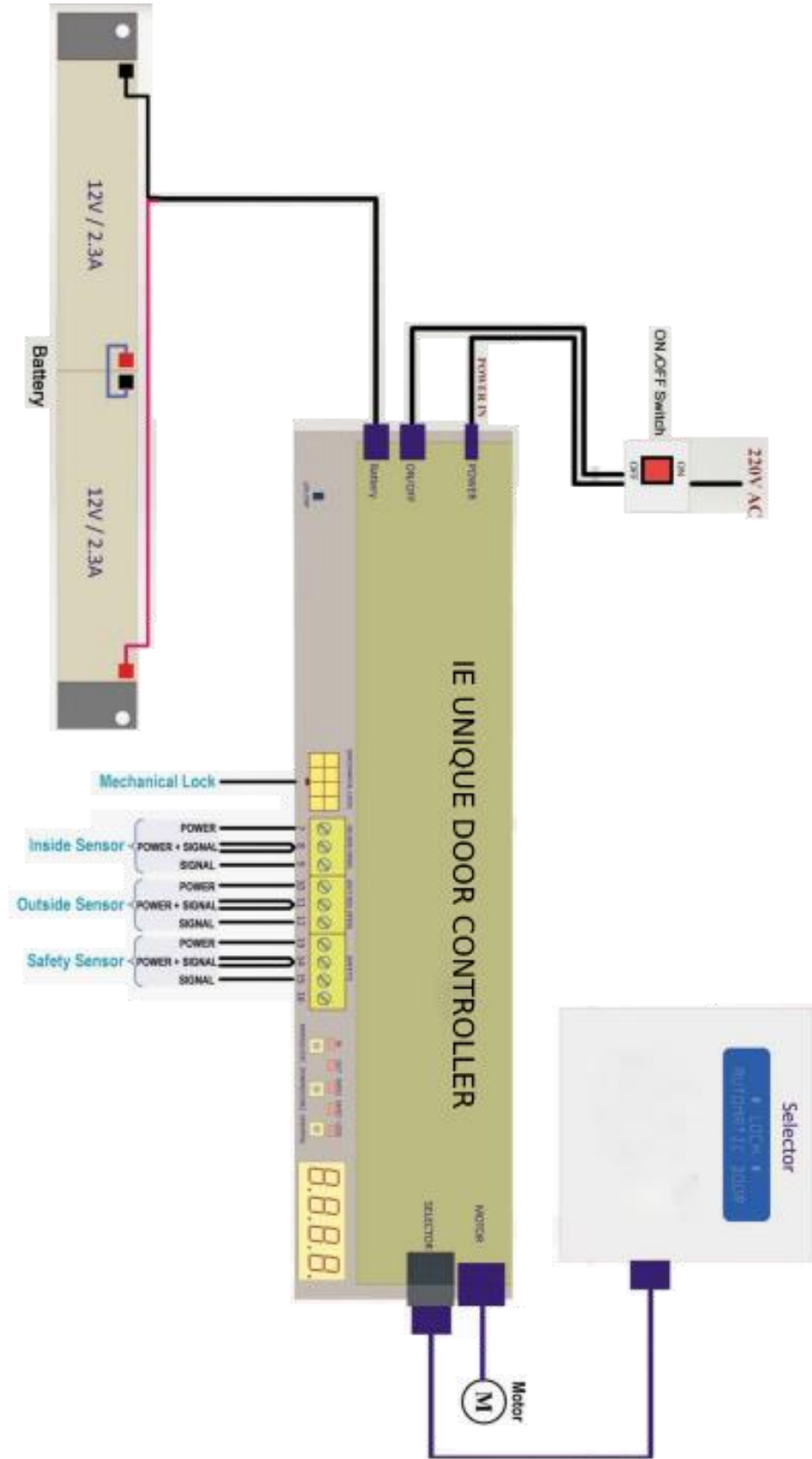
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User Manual

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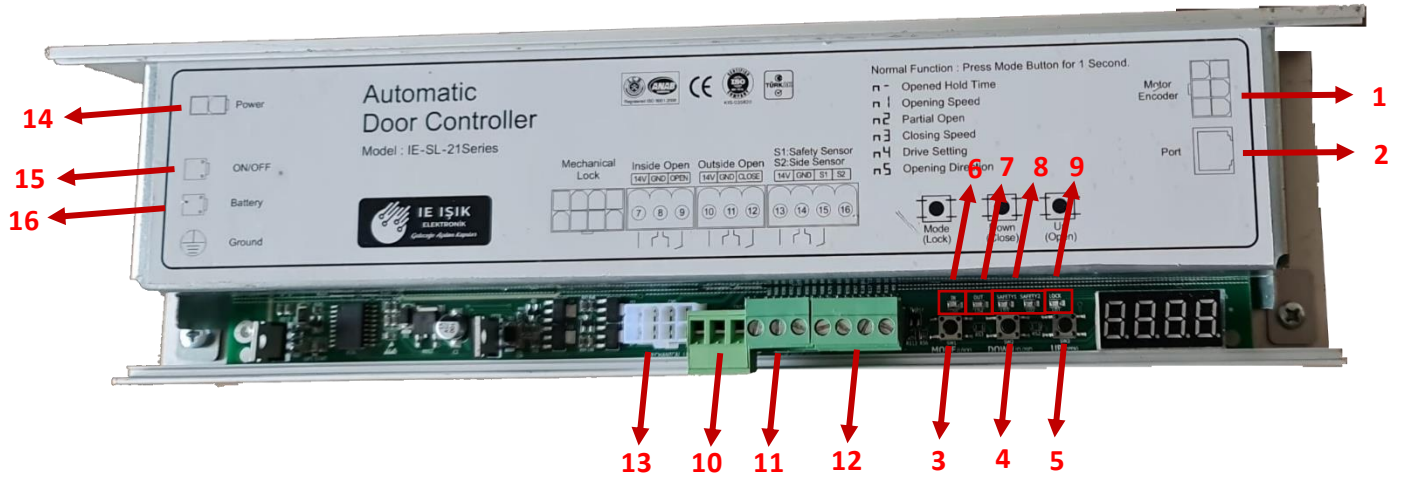
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1. Socket For Motor
2. Socket For Digital Function Switch
3. Mode Button
4. DOWN (Close) Button
5. UP (Open) Button
6. Green LED For Inside Open
7. Green LED For Outside Open
8. Yellow LEDs For Safety Photocell Open
9. Red LED For Lock
10. Terminal For Internal Radar

11. Terminal For External Radar
12. Terminal For Safety Photocell
13. Socket For Mechanical Lock
14. 220V AC Supply Input
15. Socket For ON/OFF Switch
16. Socket For Battery



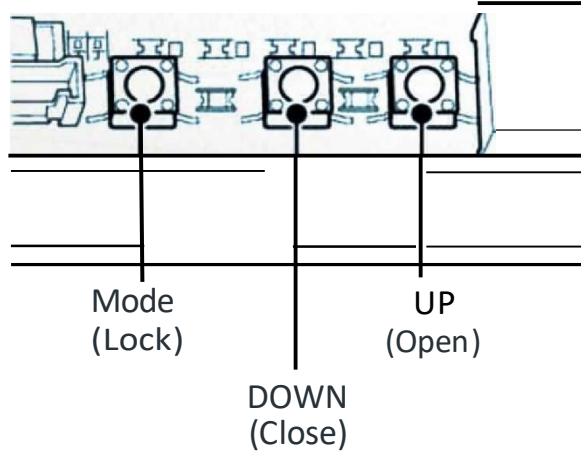
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- To select the function, press the "Mode" button. Then, use the "Up" (open) and "Down" (closed) buttons to adjust the value.
- **Normal Mode:** Press "Mode" button for 3 seconds.
- **Counting Mode:** Press "Mode" button for 5 seconds.
- **Expansion Modu:** Press "Mode" button for 10 seconds.



WARNING

After adjusting the value, press and hold the "Mode" button for 3 seconds. Once the adjustment is complete, the Lock LED will light up as a signal indicator. To unlock it, you need to press the "Up" or "Down" button.



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-FUNCTIONS-

NORMAL MODE:

- ✓ To open the Normal Mode, press and hold the "Mode" button for 3 seconds.

n-	Open Waiting Time	<ul style="list-style-type: none">- It adjusts the time duration after which the door will close once it has been opened.- Setting Range: 1 – 999 seconds, Change Unit: 1- Factory Setting: 00 second
n1	Opening Speed	<ul style="list-style-type: none">- Setting Range: 00 – 90, Change Unit: 10- Factory Setting: 60
n2	Partial Open	<ul style="list-style-type: none">- Setting Range: 20 – 95, Change Unit: 05- Factory Setting: 50
n3	Closing Speed	<ul style="list-style-type: none">- Setting Range: 00 – 90, Change Unit: 10- Factory Setting: 40
n4	Driving Setting	<ul style="list-style-type: none">- Setting Range: 00 – 02, Change Unit: 01- Factory Setting: 00- [00] Normal mode: <OPEN and CLOSE automatically: inside or outside signal> The door will open when it receives internal or external signals (such as radar, hand sensor, etc.). Once the Open Waiting Time (n-) has elapsed, the door will automatically close.If the Lock mode is activated, the door will only be opened by signals coming from the inside.-[01] Semi-Automatic mode: < OPEN → Only with signals from inside> <CLOSE → Only with signals from outside> When the door receives a CLOSING signal, it will close. However, it will not directly receive a CLOSING signal. The door will automatically close after the Open Waiting Time (n-) has elapsed. (If the Open Waiting Time value is set to 000, the Open Waiting Time will not affect the closing process)-[02] Toggle mode: <OPEN → With both internal and external signals> <CLOSE → With both internal and external signals> The door can be opened with both internal and external signals. It also requires an internal or external signal to initiate the closing process. However, if the Lock Mode is activated, the door can only be opened with an internal signal. For closing, both internal and external signals are valid..The door will close when it receives a CLOSING signal. However, it will not directly receive the CLOSING signal. The door will automatically close after the Open Waiting Time (n-) has elapsed. (If the Open Waiting Time value is set to 000, the Open Waiting Time will not affect the closing process.)
n5	Open Direction	<ul style="list-style-type: none">- Setting Range: 00 – 05, Change Unit: 01- Factory Setting: 00- [00] Left Open, [01] Right Open



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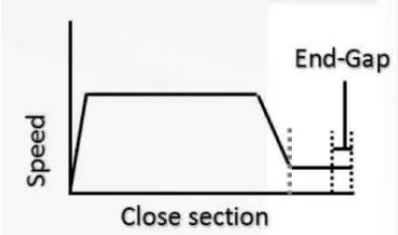
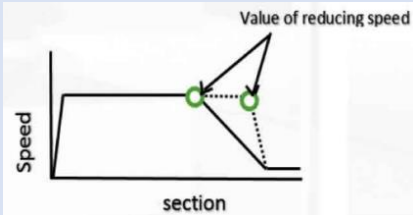
COUNTING MODE:

- ✓ To open the Counting Mode, press and hold the "Mode" button for 5 seconds.

Sec	Opening Number	<ul style="list-style-type: none">- Indicates the number of opening.- Countable max. 99,999,999 0mes- To control from one thousand units to ten million units, press the "Down" button.
cdc	Bumping Number	<ul style="list-style-type: none">- Indicates the number of bumping.- Countable max. 99,999,999 0mes- To control from one thousand units to ten million units, press the "Down" button.
Poc	Power On Number	<ul style="list-style-type: none">- Indicates the number of power on.- Countable max. 99,999,999 0mes- To control from one thousand units to ten million units, press the "Down" button.

EXPANSION MODE:

- ✓ To open the Expansion Mode, press and hold the "Mode" button for 10 seconds.

E1	End-Gap	<ul style="list-style-type: none">-Sets the position of ending-gap.-Setting range: 02 – 25, change unit: 01 (0,33mm)-Factory setting: 15-End-Gap: In this region, even if there is an obstacle, the door will not open back. 
E2	Reduce Speed	<ul style="list-style-type: none">-Sets the position of reducing speed.-Setting range: 00 – 32, change unit: 01-Factory setting: 16-If the value of the Reducing Speed is changed, the slope of the graph (slow speed power) will also change. 



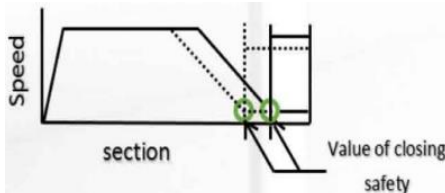
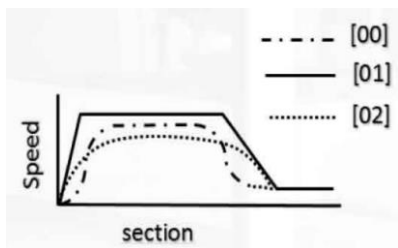
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E3	Closing Safety	<ul style="list-style-type: none">-Sets the position of closing safety.-Setting range: 00 – 90, change unit: 01-Factory setting: 10-If there is an obstacle in this zone, the door will open back.-However, changing the value of the Closing Safety will not change the slope of the graph (Slow Speed Power). 
E4	Opening by Hand (Lock Option)	<ul style="list-style-type: none">-Lock option when it is opened by hand.-Setting range: 00 – 03, change unit: 01-Factory setting: 00-[00]: Lock, Power is off in the End Gap.-[01]: Lock, Power is on in the End Gap.-[02]: Open, Power is off in the End Gap-[03]: Open, Power is on in the End Gap.-In case the door is open, such as [02] and [03], the door will open automatically after manually crossing the EndGap.-Signal display: [00], [02]: Door close “HOLD”, after 1 second “End” [01], [03]: Door close “HOLD”
E5	Electric Lock	<ul style="list-style-type: none">-Electric lock setting.-Setting range: 00 – 02, change unit: 01-Factory setting: 00[00]: No Setting[01]: N.C.[02]: N.O.
E6	Re-Open Distance	<ul style="list-style-type: none">-Sets the re-open distance when the power is off
E7	Door Weight	<ul style="list-style-type: none">-Sets the door's weight-Setting range: 00 – 02, change unit: 01-Factory setting: 00-[00]: Light and narrow door-[02]: Heavy and wide door 



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E6 SETTINGS:

Settings	Action on Power Failure	Opening Interval in Memory in Power Failure	Power On Again
[00]	OPEN: 1) UPS: Full open 2) No UPS: 100mm open	X	Close → Open → Close (re-setting for open distance)
[01]	No open	X	Open → Close (re-setting for open distance)
[02]	Operate with a UPS. (If the battery is depleted, the door will end in the closing position.)	X	Open → Close (re-setting for open distance)
[03]	Operate with a UPS. (If the battery is depleted, the door will end in the closing position.)	X	Close → Open → Close (re-setting for open distance)
[04]	OPEN: 1) UPS: Full open 2) No UPS: 100mm open	0	Close (No open distance setting)
[05]	No open	0	No open distance setting
[06]	Operate with a UPS. (If the battery is depleted, the door will end in the closing position.)	0	No open distance setting
[07]	Operate with a UPS. (If the battery is depleted, the door will end in the closing position.)	0	Close (No open distance setting)



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TROUBLESHOOTING:

Trouble	Check/Factor	Action
Door isn't operating at all	Misconnection	<ul style="list-style-type: none">• Check the ON/OFF Switch• Check motor and power socket of the card
	In case of Lock LED is on	<ul style="list-style-type: none">• Use DOWN or UP buttons to turn off the Lock LED
	Misalignment of door	<ul style="list-style-type: none">• Align the door with hanger roller
	Door is derailed	<ul style="list-style-type: none">• Place the door's hanger roller on the running track
	In case radar is connected to outside open terminal and set [01] semi-automatic mode of N4 (Drive settings)	<ul style="list-style-type: none">• Change the terminal to inside open or set [00] Normal Mode of N4.
Door Doesn't Close After Opening or Opens By Itself Continuously	Wrong setting of open direction	<ul style="list-style-type: none">• Reset the n5
	There may be some obstacle on the photocell's sight	<ul style="list-style-type: none">• Remove it
	In case N4 is set to [01] or [02]	<ul style="list-style-type: none">• Set to normal mode [00]
	Radar is detecting something	<ul style="list-style-type: none">• Adjust the radar's sensitivity• Remove the object that radar may detecting
Noise	Dust in the running track	<ul style="list-style-type: none">• Clean the track with dried cloth
	Loose belt	<ul style="list-style-type: none">• Tighten the belt
	Door is rubbing against the floor	<ul style="list-style-type: none">• Lift up the door with hanger roller
	Dust on the belt	<ul style="list-style-type: none">• Change the belt with a new one

