Contactless Request To Exit Button

CAP-REX-1G



Please read these instructions carefully before operating the unit and keep for further reference.



The Genie CAP-REX-1G is a sleek contactless request to exit button and works using capacitive technology. It has a blue LED back light which turns green on activation. The CAP-REX-1G is 1G in size making it perfect for most access control applications.

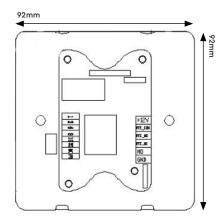
1. Product Features

- When triggered, the back light will change colour with an audible tone
- Provides a dry contact output to interface with any access control controller
- Built-in mechanical override in case of power failure or electronic failure
- Built-in a digital timer to control the relay output timing from 1 to 15 sec
- Back lit design and built-in buzzer (buzzer selectable)
- Capacitance proximity technology has been used instead of infrared technology environmental independent design

2. Specifications

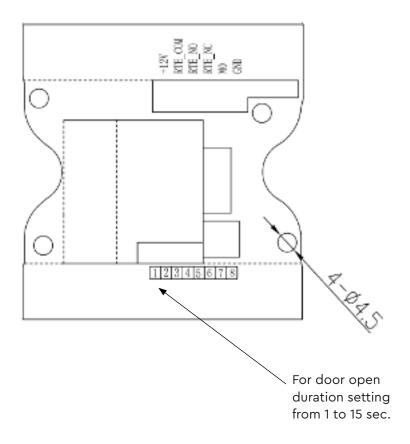
Request To Exit Indication	Colour changes from Blue to Green with a beep	
Request To Exit Output	Dry contact output	
REX Relay	NC / NO jumper selectable rated @ DC30V, 1A	
Mechanical Override	Available	
Output Timer	From 1 sec to 15 sec	
Typical Read Range	~2.5 cm	
Operating Voltage	DC12-24V	
Operating Current	150mA (Max. @ DC12V)	
Operating Temperature	-20°C ~ +60°C	
Operating Humidity	10% – 90% RH	
Case	PC, ABS (Black and white colour)	
Dimensions	92 × 92 × 8.5 mm	

3. Product Dimensions





4. PCB Setting Diagram



5. Wiring

Label	Description	
+VDD	Power input (+12V ~ +24VDC)	
RTE_COM	Exit button output (dry contact)	
RTE_NO		
RTE_NC		
МО	External device to trigger the door open, active low	
GND	Signal ground (0 VDC)	



6. Functions

- As you put your hand near the exit button the capacitive technology will trigger the device without the need to actually touch it. The colour of the exit button will change from blue to green in colour when triggered. At the same time, the relay inside the exit button device will trigger for 1 second and the built-in buzzer will beep once.
- To adjust the door open duration, please power off the exit button. Change the DIP Switch setting to alter the door open duration from the table below, adjustable from 1 to 15 seconds, re-apply power again for the change to take place.
- Support mechanical override.
- Support an external device/switch to trigger the unit.
- Remote Control is an option (Special order item)

7. DIP Switch Setting

	ON	1		
1	OFF	0	No. 1,2,3,4 are used for adjusting door open duration. ON = Valid OFF = Invalid Door open duration = To add all the ON position switch numbers Example: If we set 1 and 4 to "ON", the door open during will be:	
2	ON	2		
	OFF	0		
3	ON	4		
	OFF	0	1+8=9 the decimal number is 9 seconds (decimal number)	
4	ON	8	*Setting all DIP switch to OFF position means door	
	OFF	0	duration = 1 sec.	
5	ON	Turn off (buzzer)	Turn off the buzzer	
	OFF	Turn on (buzzer)	Turn on the buzzer (default)	
6	ON	N/A	N/A	
	OFF	N/A		
7	ON	N/A	N/A	
	OFF	N/A		
8	ON	Trigger distance (near)	2~3cm	
	OFF	Trigger distance (far)	5cm (default)	

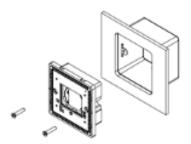
NOTE:

Change the DIP Switch, please power off for changes to take place.

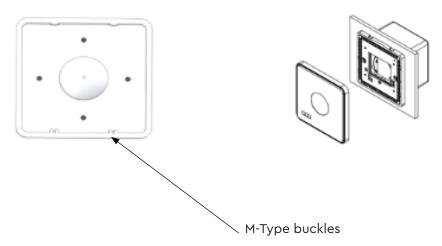


8. Installation

- 1. Confirm the size of back box fits CAP REX-1G as shown in 3. Product Dimensions.
- 2. Confirm all wiring is correct. Set the jumpers to the required positions.
- 3. Secure the exit button to the back box with correct screws as shown below.



4. There are 2 M-type buckles at the bottom of the cover as shown in the below left image. Align them into the slot at the bottom of the module and then push the upper part of the cover up (as shown below in right image) to secure exit button cover. Unit is now ready to use.





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