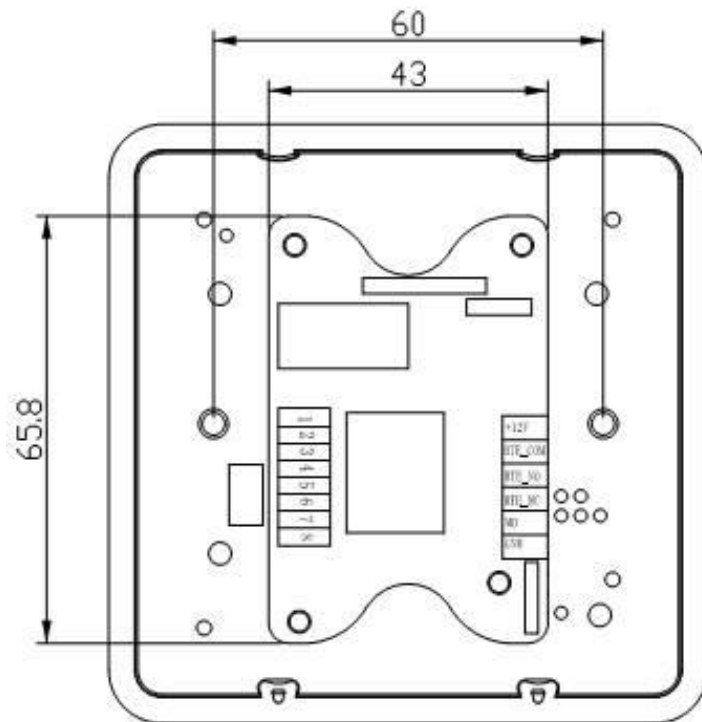VANDERBILT

Installation and Operation Manual

BLUE-EX is a contactless door release button based on capacitive technology. It is equipped with mechanical override function. Mechanical override allows manual door release in case of an emergency during a power cut or electronic failure.

Function:

- Contactless door release button with Capacitance Proximity Technology. The colour of the exit button will change from blue to green when a door release is 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 for audible confirmation.
- To adjust the door release duration, please power off the door release button. Change the DIP switch settings according to the DIP switch table below and power on the unit.
- Supports mechanical override.
- Supports an external device/switch to trigger the unit.

Dimensions:

Wiring:

Label	Description
+VDD	Power Input (12V ~ 24VDC)
RTE_COM	Exit Button Output (Dry Contact)
RTE_NO	
RTE_NC	
MO	External device to trigger the door release. Active Low.
GND	Signal Ground (0 VDC)

DIP Switch Settings:

1	ON	1 second	DIP switch no. 1, 2, 3, 4 are used for adjusting the door release duration. The door release duration is the sum of the associated DIP switch values in seconds.
	OFF	0	
2	ON	2 seconds	Example: Positioning DIP switch 1 and 4 to "ON" sets the door release duration to: 1 second +8 seconds = 9 seconds
	OFF	0	
3	ON	4 seconds	
	OFF	0	
4	ON	8 seconds	*Note: Setting all DIP switches to the "OFF" position, results in a door release duration of 1 second.
	OFF	0	
5	ON	Buzzer	Turn off the buzzer.
	OFF	Buzzer	Turn on the buzzer (default setting).
6	ON	N/A	N/A
	OFF	N/A	
7	ON	N/A	N/A
	OFF	N/A	
8	ON	Trigger distance	2~3cm
	OFF	Trigger distance	5cm (default setting)
		Note:	**The device needs to be power cycled for changes to the DIP switch settings to take effect.**

Installation:

1) Confirm if the size of back box fits the dimensions of the BLUE-EX door release button as shown in Fig.1
2) Ensure correct wiring and set the jumpers to the desired positions as per above DIP switch table above.
3) Secure the door release button to the back box with correct screws as shown in Fig.2.
4) There are 2 M-type buckles at the bottom of the cover as shown in Fig.3. Align the buckles into the slots at the bottom of the module and then snap in the upper part of the cover as shown in Fig.4. The BLUE-EX door release button is now ready to use.

Fig.2

Fig.3

M-type Buckles

Fig.4