ELMDENE AMS-EBIR6-W Proximity Exit Buttons With Touch Free Control User Manual

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Contents

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Proximity Exit Buttons with Touch-free control

AMS-EBIR6-x

(where x = W-White, B-Black)

FEATURES

Elden's touch-free exit buttons are a range of IR proximity sensors designed as request-to-exit devices for use in Access control systems. The clean, simple design provides a modern and stylish solution to a buildings door entry/exit system.
They enable applications where it is necessary to open a door without physically touching a button.
This helps reduce the spread of infection in places such as hospitals, schools, care homes or other high-traffic or shared occupancy areas. They are also ideal for systems designed to assist disabled or elderly users.
These models encompass a slim surface mounting housing

AMS-EBIR6-W

AMS-EBIR6-B

SPECIFICATION

Input Voltage	9.8Vdc 26.6Vdc—
Operating Range*(approx.)	9.8Vdc – 26.6Vdc
	5cm – 20cm (adjustable
Latch Time	0.3s to 30s (adjustable)
Max. current(Active / Quiescent)	40mA / 15mA
LED colour (default)	Blue = Standby / GREEN = Activated
Contacts	NO & NC (1A@30VDC max)
Size (mm)	85W x 85H x 14D
IP Rating	IP65
Operating temp	-10˚C to +50°C.

- different materials have different reflective rates. Value based on 18% neutral grey card

INSTALLATION INSTRUCTIONS

Note: Please note to remove protective film from front panel once installed!

1. To mount the device, unscrew backplate screw located on the bottom panel of the unit. Utilise screws provided to mount backplate to wall, ensuring appropriate fixings for the surface material are used.
Please note the 2 centre mounting holes are 60mm apart, designed to align on a single gang drylining box (if required).
2. Connections are made to the switches using the pre-connected 5 pin plug lead. Wire ends have been pre-stripped for ease of installation.
3. Please ensure the following colour code is adhered to:
   - Red – +VE Supply
   - Black – 0V Supply
   - Green – Normally Open

- Yellow – Common
- White – Normally Closed

4. Once all connections have been securely fastened, hook main front panel over the backplate ensuring the 2 top locating lugs have mated in their respective slots.
5. To ensure unimpeded operation of the Infra-Red switch, please make sure that there are no objects or any obstacles within 30cm (60° to the left & right) of the panel, to avoid interference.
6. To activate the switch, pass your hand across the face of the device, once activated the LED colour will change to Green for the set 'latch' time.
7. To increase or decrease the detection range or the latch time adjust the relevant potentiometer at the rear of the device as described below:

Note: Please don't force the potentiometers past their stop points.
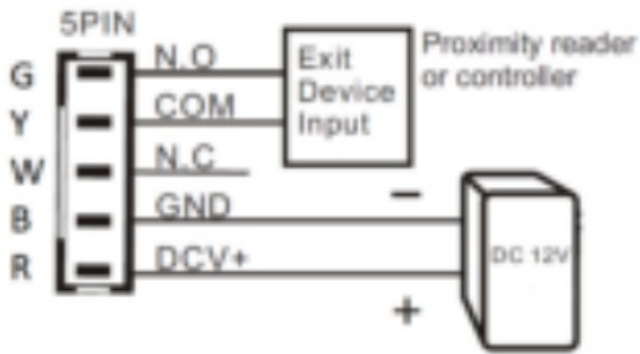
Increase Latch Time

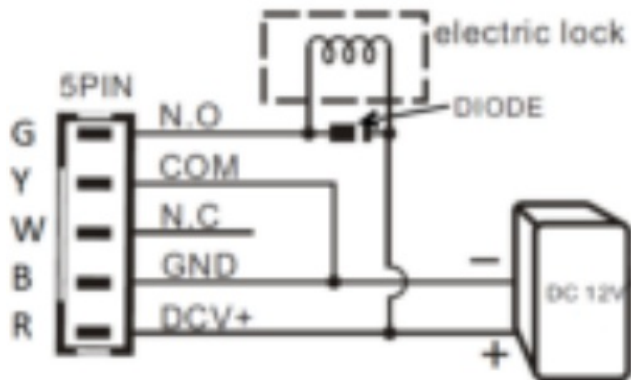Reduce Latch Time
0.3-30 Secs

Increase Sensitivity

Reduce Sensitivity
5-20 cm

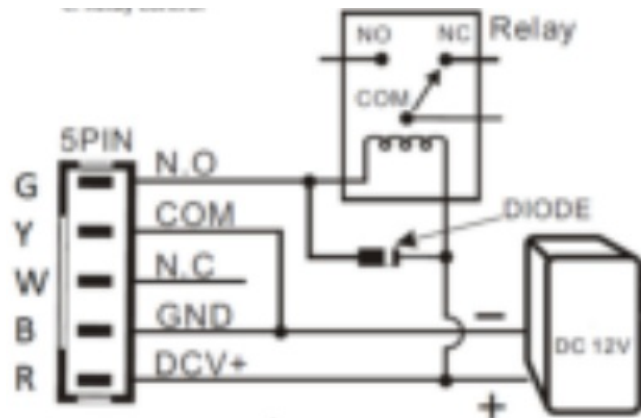## TYPICAL APPLICATIONS

A. Can Door Opening

B. Fail Sale Electra Lack

C. Relay contra

- Connect diode when the control terminal is loaded, to absorb surge and prevent damage to sensor

TROUBLE SHOOTING

Issue: Device continuously activated.
Likely Cause:

- Ensure no obstacles are in the detection range of the device.
- Reduce detection range if the switch is being activated by a close proximity source.
- Check the supply voltage is within the specified range.

Issue: Device does not activate.

Likely Cause:

- Increase detection range to ensure it is not set to low.
- Check the supply voltage is within the specified range.

PRECAUTIONS:

- Before installation, check correct supply voltage and polarity.
- Ensure no object is blocking the sensor on power up.
- The unit carries out a self-test function at power up activating the LED (not the relay) for 1 sec
- Do not conduct any modifications to the unit as this will invalidate the warranty.

MAINTENANCE

There is no regular maintenance required of these devices

DISPOSAL AT END OF LIFE

This product falls within the scope of EU Directive 2012/19/EU Waste Electrical and Electronic Equipment (WEEE). At the end of life, the product must be separated from the domestic waste stream and disposed via an appropriate approved WEEE disposal route in accordance with all national and local regulations.
The packaging supplied with this product may be recycled. Please dispose of packaging accordingly.

COMPLIANCE

These products are CE compliant and meet the essential requirements of the following European
Directives:
Low Voltage 2014/35/EU EMC 2014/30/EU WEEE 2012/19/EU RoHs2 2011/65/EC

Documents / Resources

ELMDENE AMS-EBIR6-W Proximity Exit Buttons With Touch Free Control [pdf] User Manual

AMS-EBIR6-W Proximity Exit Buttons With Touch Free Control, AMS-EBIR6-W, Proximity Exit Buttons With Touch Free Control, Exit Buttons With Touch Free Control, Buttons With Touch Free Control, With Touch Free Control, Touch Free Control, Free Control

References

- ∈ **Elmdene International**
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Manuals+,