Manuals+ — User Manuals Simplified.

ELMDENE AMS-EBIR7-AV Proximity Exit Buttons With Touch Free control (Anti-Vandal / IP65) User Manual

Home » **ELMDENE** » ELMDENE AMS-EBIR7-AV Proximity Exit Buttons With Touch Free control (Anti-Vandal / IP65) User Manual 📄

Contents

ELMDENE AMS-EBIR7-AV Proximity Exit Buttons With Touch Free control (Anti-Vandal / IP65) User Manual

FEATURES

Elmdene's Anti-Vandal touch-free exit button is an IR proximity sensor designed as a request-to-exit device for use in Access control systems.

The clean, simple design provides a modern and stylish solution to a buildings door entry/exit system. With a solid aluminium CNC'd case and protected in-built PCB, this unit can withstand strikes from multiple directions without the unit's operation being affected.

It allows access control applications to open a door without the physically touching of a button, whilst being ideal for harsher environments, offering IP65 protection and anti-vandal properties. Being touch-free, helps reduce the spread of infection in places such as hospitals, schools, care homes or other high-traffic or shared occupancy areas. Provided within a low-profile surface mounted box, it is designed to be mounted directly to the wall.

SPECIFICATION	
EBIR7-AV	
Input Voltage	9.8Vdc – 26.6Vdc
Operating Range* (approx.)	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)	73W x 73H x 15D
IP Rating	IP65
Operating temp	-20°C to +70°C.

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

INSTALLATION INSTRUCTIONS

1. To mount the device, use the screws provided to attach each corner to the
2. Connections are made to the switches using the pre-connected 5 pin plug 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. 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.

5. 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.
6. 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
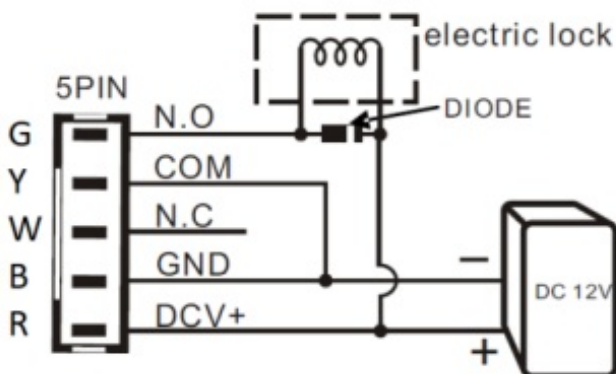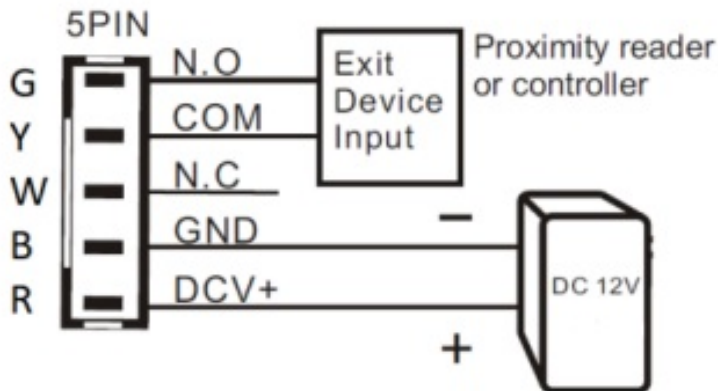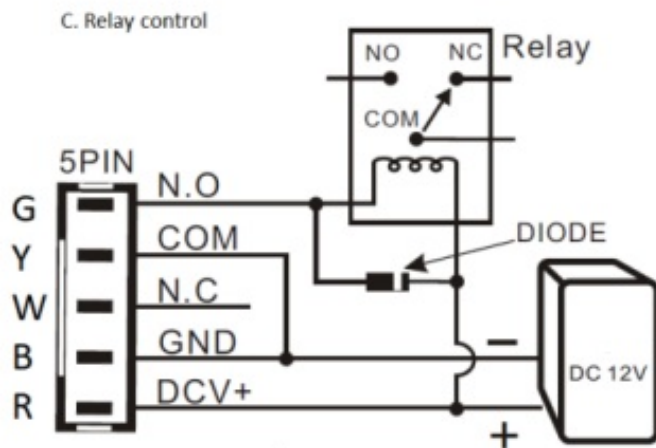
VR1

Reduce Latch Time

0.3-30 Secs

Increase Sensitivity

VR2

Reduce Sensitivity

5-20 cm

TYPICAL APPLICATIONS

5PIN

G
Y
W
B
R

N.O
COM
N.C
GND
DCV+

Exit Device Input

Proximity reader or controller

DC 12V

electric lock

5PIN

G
Y
W
B
R

N.O
COM
N.C
GND
DCV+

DIODE

DC 12V

C. Relay control

*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
- Reduce detection range if the switch is being activated by a close proximity
- Check the supply voltage is within the specified

Issue: Device does not activate.

Likely Cause:

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

PRECAUTIONS:

- Before installation, check correct supply voltage and
- Ensure no object is blocking the sensor on power
- Do not conduct any modifications to the unit as this will invalidate the

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

www.elmdene.co.uk

Read More About This Manual & Download PDF:

Documents / Resources

	ELMDENE AMS-EBIR7-AV Proximity Exit Buttons With Touch Free control (Anti-Vandal / IP65) [pdf] User Manual AMS-EBIR7-AV Proximity Exit Buttons With Touch Free control Anti-Vandal IP65, AMS-EBIR7-AV, Proximity Exit Buttons With Touch Free control Anti-Vandal IP65, Buttons With Touch Free control Anti-Vandal IP65, With Touch Free control Anti-Vandal IP65, Touch Free control Anti-Vandal IP65, Free control Anti-Vandal IP65, control Anti-Vandal IP65, Anti-Vandal IP65

References

- ∈ **Elmdene International**
- ∈ **Elmdene International**

Manuals+,