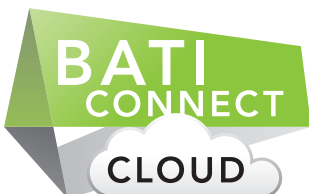


# ACCESS CONTROL ONLY INSTALLATION MANUAL LHF868-RS RADIO RECEIVER

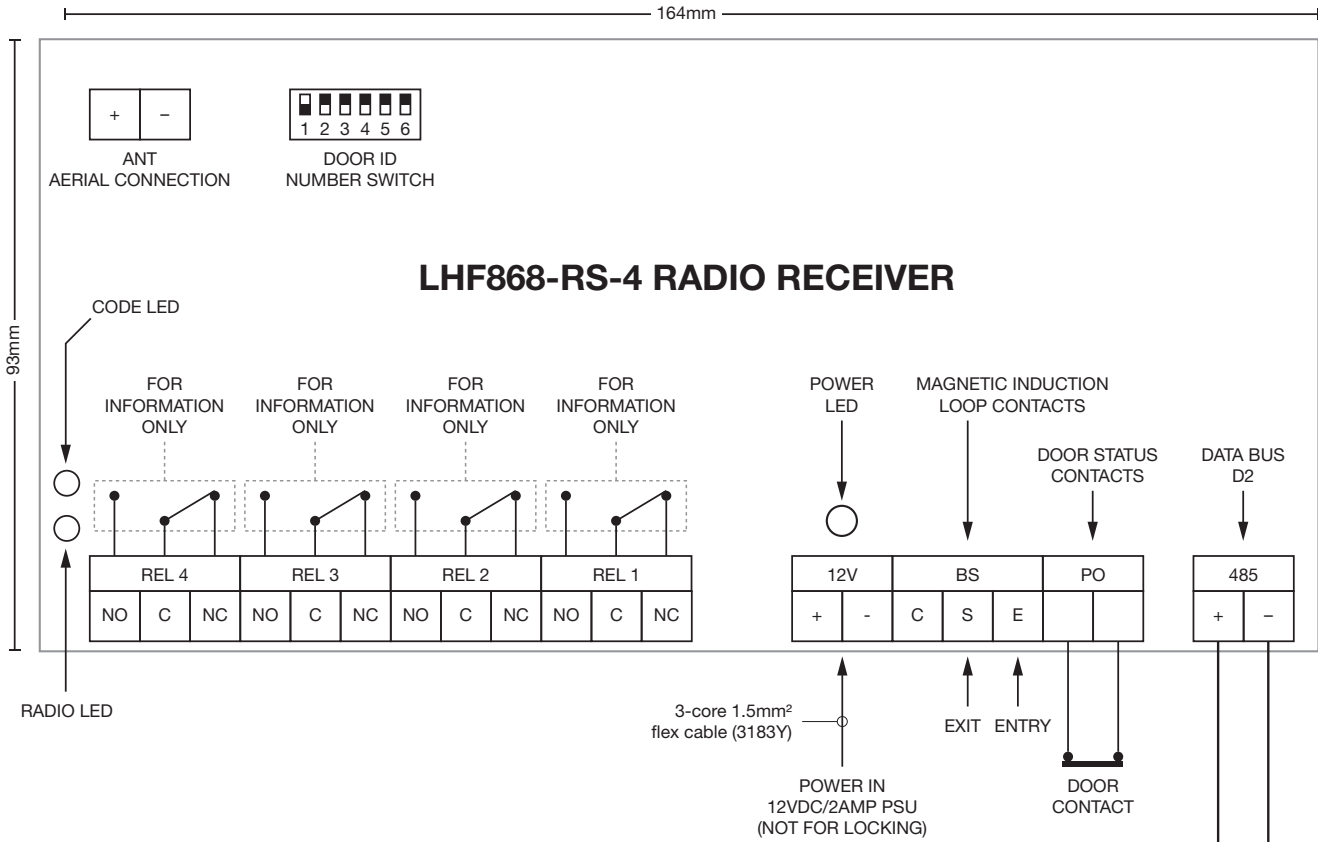


LHF868-RS RADIO RECEIVER  
remotely programmable via  
BATICONNECT® CLOUD



24/7/365 REAL-TIME  
CLOUD MANAGEMENT  
[baticonnect.com](http://baticonnect.com)





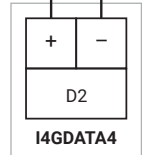
**DOOR ID SWITCH NETWORK ADDRESS SETTINGS**



\* I4GMDATA10-UK only for settings 05-10



**AR122 PSU**  
12VDC/2A  
for LHF Radio Receiver Only



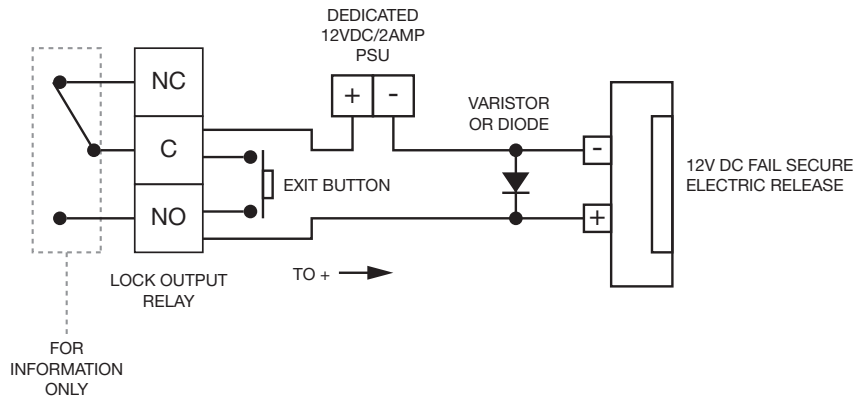
**I4GDATA4 MODEM**  
CONNECTS LHF RADIO RECEIVER TO BATICONNECT.COM CLOUD

**TEL8G RADIO TRANSMITTERS**

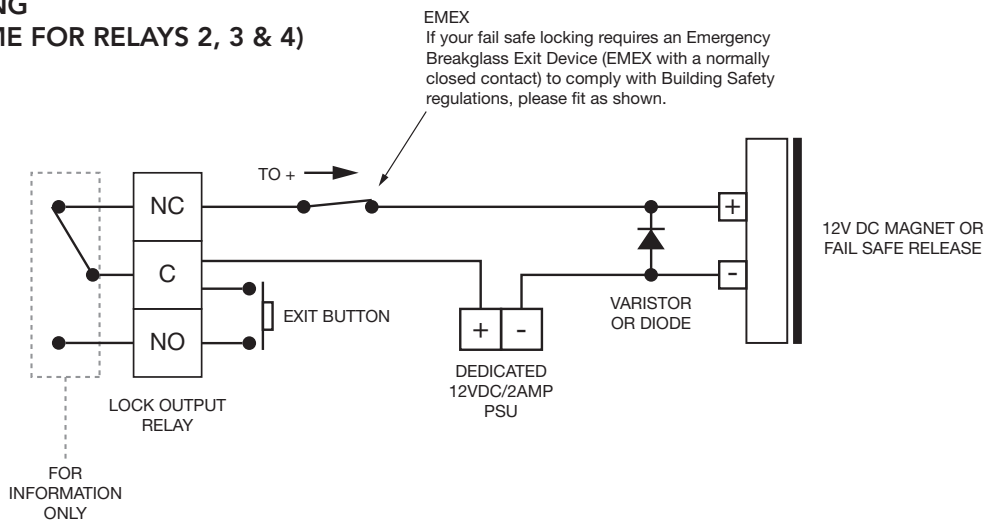


Button 1 = Relay 1 Button 2 = Relay 2 Button 3 = Relay 3 Button 4 = Relay 4  
fully configurable via BATICONNECT.COM as required for installation

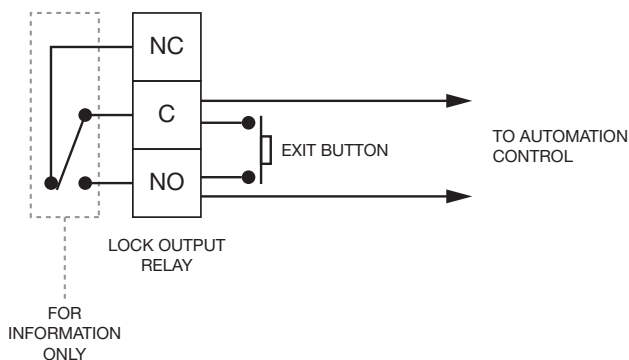
**FAIL SECURE LOCKING  
LHF RELAY 1 (SAME FOR RELAYS 2, 3 & 4)**



**FAIL SAFE LOCKING  
LHF RELAY 1 (SAME FOR RELAYS 2, 3 & 4)**



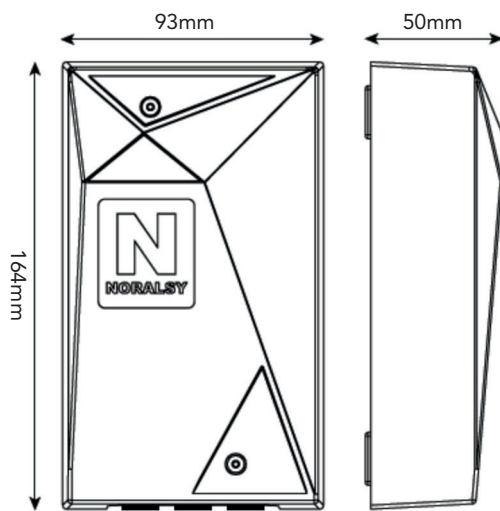
**AUTOMATION CONTROL / VOLT-FREE  
LHF RELAY 1 (SAME FOR RELAYS 2, 3 & 4)**



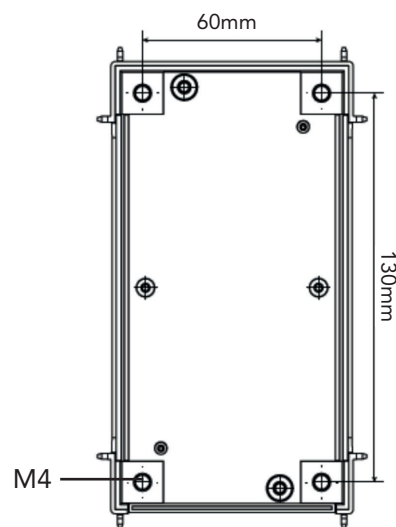
**Bracket, aerial and RG58 coaxial cable (5 metres) included**



8mm screw fixings



Case dimensions



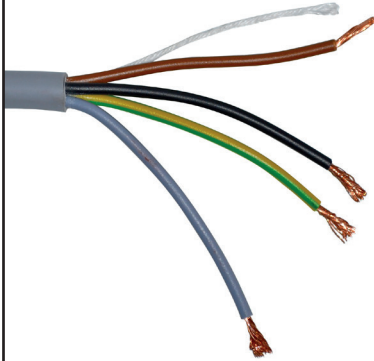
Wall mounting plate dimensions

**LOCKING CIRCUIT CABLE 4 x 1 YY/LSZH (3184B LSZH)**

**Q13026**

Maximum distance from locking to power supply location:  
50 metres for 1 amp lock  
30 metres for 2 amp lock

Fail safe locking relies on the locking receiving the correct voltage and current. Fail secure electro-mechanical locking always requires a 3rd core control cable. Only industry reference 4 x 1 YY/LSZH cabling (or Fire Protected equivalent, if applicable) is to be used. Alarm, data or communications cabling; for example; CAT5E, CW1308 is unacceptable.



CABLE REFERENCE:  
4 x 1 YY/LSZH  
**PER LOCK**

Conductors:	Flexible copper, class 5.
Core identification:	4 core: brown, grey, black, green/yellow
Insulation:	LSZH
Sheath/Jacket:	LSZH
Colour:	Grey
Voltage:	300/500V
Operating temperature:	-5°C / + 70°C
Minimum bending radius:	6 x overall diameter
Standards:	BS EN 50525-3-11, EN 61034-2, EN 60332-1-2.

Core size sq.mm	No of cores	Radial thickness of insulation mm	Nominal overall diameter mm	Weight kg/km
1	4	0.6	7.9	99

T: 01322-441165 Product ref: 3184B-Grey Part number: 45574 www.batt.co.uk

**PROTECTION VARISTOR OR DIODE FOR LOCKING**

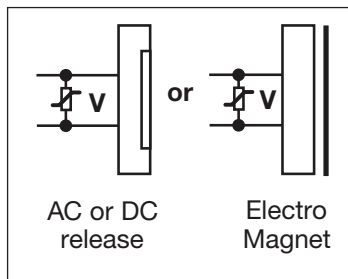
The use of a varistor or diode protects electrical equipment from transient voltage spikes.

**Varistor**



Fit the varistor close to the AC or DC release or the DC magnet.

Varistor is polarity insensitive.

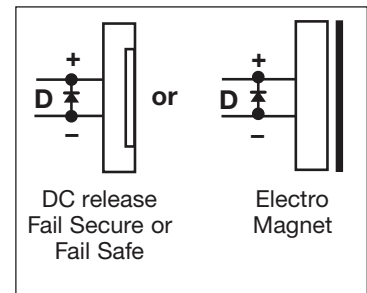
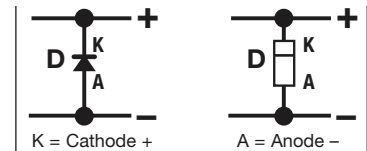


**Diode**



Fit the diode ref. IN4001 close to the DC release or electro-magnet.

**Respect polarity** of the diode. Incorrect fitting of a diode will cause a short circuit.



**CABLES CPR COMPLIANT TO CCA, S1B, D2, A2 OR BETTER**

Refer to Construction Products Regulations (CPR)- BS6701 and ISO/IEC 11801-6: 2017 Part 6: Distributed Building Services (or BS EN 50173-6:2018 Part 6: Distributed Building Services).

1. Only use CPR compliant cabling.
2. Never use BT cable ref. CW1308 for access control systems.
3. Make sure duct or external grade cable equivalents are used whenever applicable.
4. Any and all system/equipment guarantees relating to correct functionality and reliability only apply if 1st fix cabling, cables used, and mains power requirements are provided strictly in accordance with the installation instructions supplied.

# SPECIFICATIONS



	LHF868-RS-1 RADIO RECEIVER	LHF868-RS-4 RADIO RECEIVER
REFERENCES	LHF868-RS-1	LHF868-RS-4
<b>MECHANICAL CHARACTERISTICS</b>		
Dimensions (HxWxD)	164 x 93 x 50 mm	
Weight	350g	
Material	ABS	
IP protection	IK08 / IP65	
<b>ELECTRICAL CHARACTERISTICS</b>		
Voltage	12VDC	
Consumption	150 mA	
Power supply	12VDC / 2A	
Relay	1no 5 Amp rated NO/NC programmable	4no 5 Amp rated NO/NC programmable
Operating temperature	-20°C to 65°C	
<b>FEATURES</b>		
Bus	Max length 400 metres using Class E (CAT6) U/UTP in series	
Capacity	2000 radio transmitters	
Frequency	868MHz	
Range	Maximum 50 metres with no obstructions	
Magnetic induction loop contacts	Yes	
Door status contacts	Yes	
Calendar function	8no week types with baticonnect.com	
Programming	www.baticonnect.com available 24/7/365	



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