

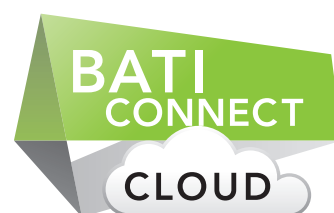
ACCESS CONTROL ONLY

INSTALLATION MANUAL

LHF868-RS RADIO RECEIVER

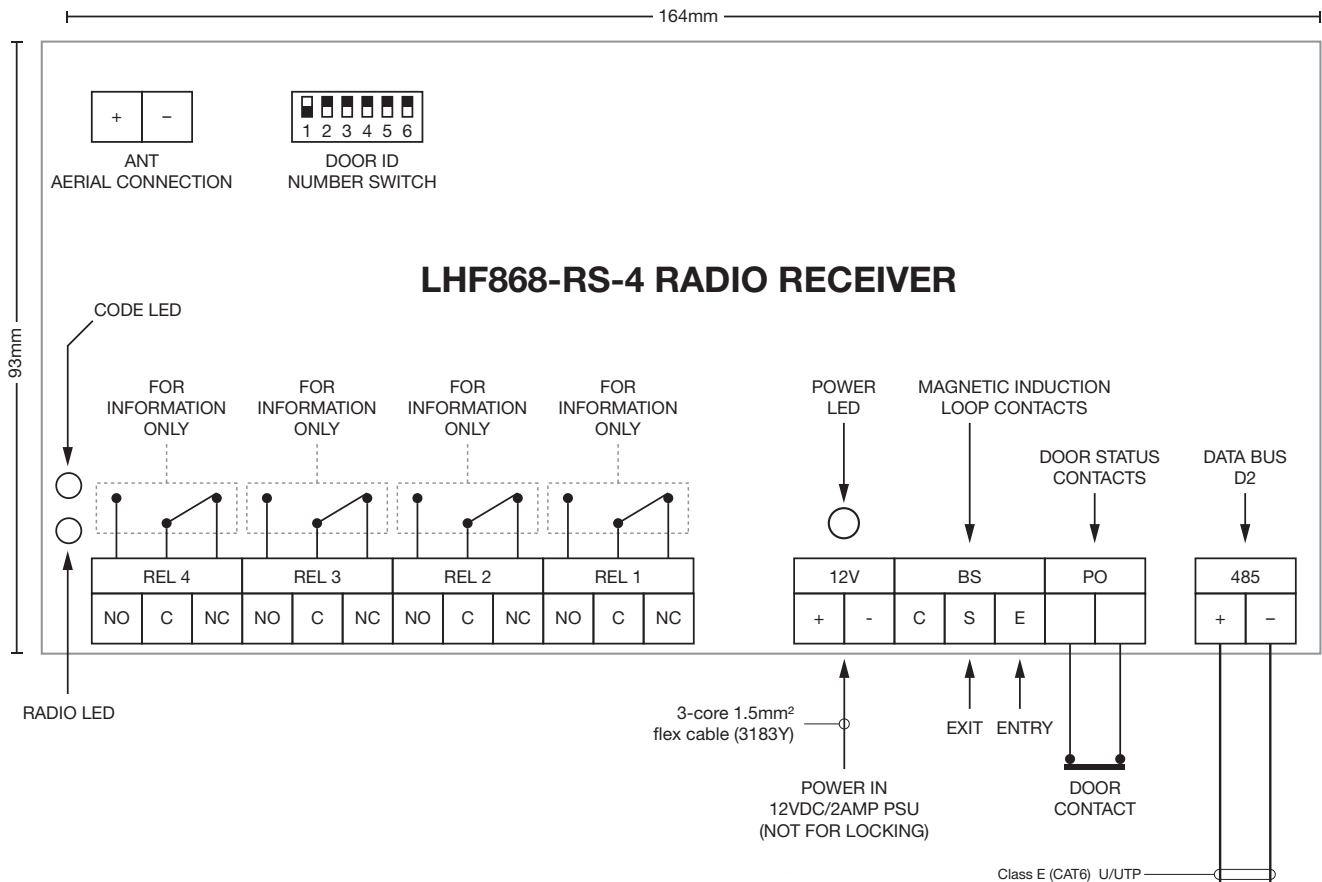


LHF868-RS RADIO RECEIVER
remotely programmable via
BATICONNECT® CLOUD



24/7/365

www.baticonnect.com



**DOOR ID SWITCH
NETWORK ADDRESS SETTINGS**

= 01

= 02

= 03

= 04

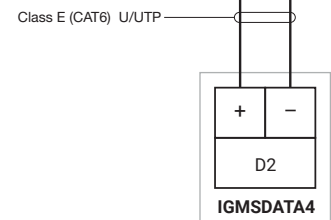
= 05*

= 06*

* IGSMATA32 only for settings 05-16



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



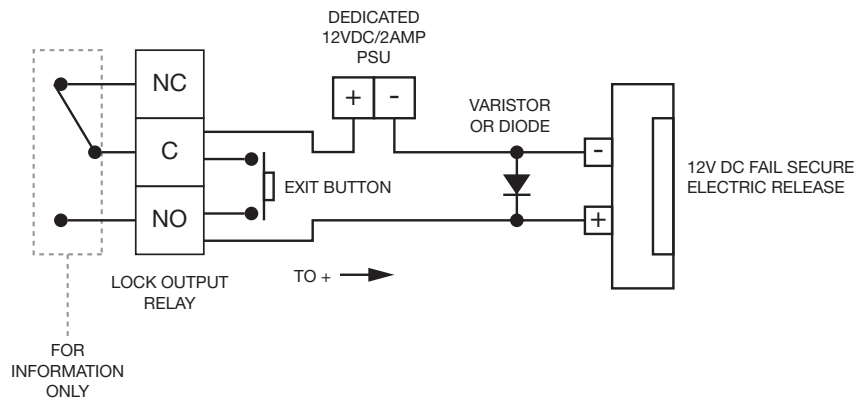
**IGSMATA4
MODEM**
CONNECTS LHF RADIO
RECEIVER TO
BATICONNECT.COM
CLOUD

TEL868-0 RADIO TRANSMITTERS

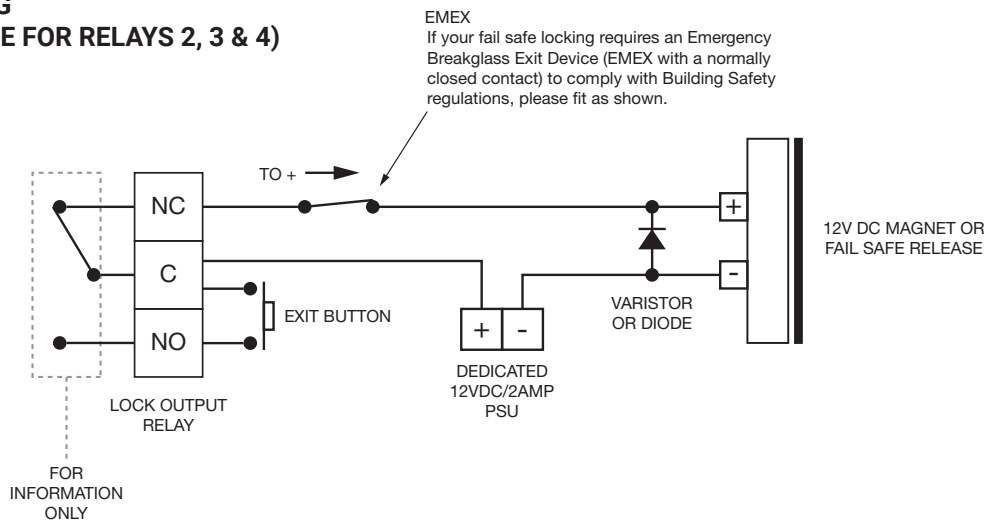


Button 1 = Relay 1
Button 2 = Relay 2
Button 3 = Relay 3
Button 4 = Relay 4

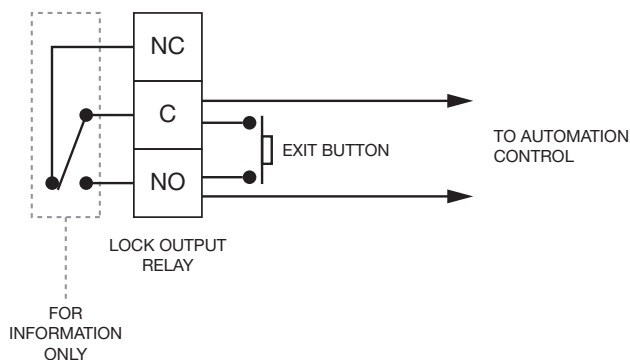
**FAIL SECURE LOCKING
LHF RELAY 1 (SAME FOR RELAYS 2, 3 & 4)**



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



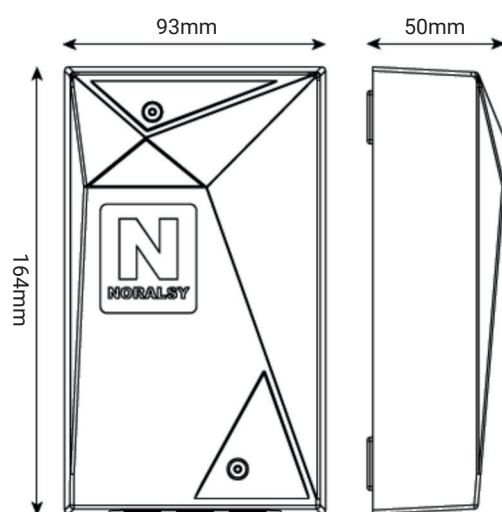
**AUTOMATION CONTROL / VOLT-FREE
LHF RELAY 1 (SAME FOR RELAYS 2, 3 & 4)**



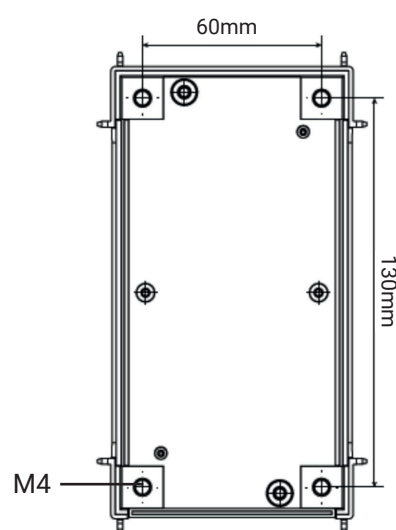
Bracket, aerial and RG58 coaxial cable (5 metres) included



8mm screw fixings



Case dimensions

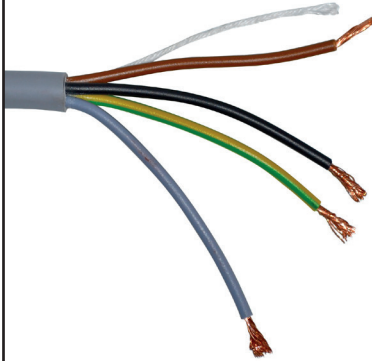


Wall mounting plate dimensions

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



CABLE REFERENCE:
4 x 1 YY/LSZH
PER 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.

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

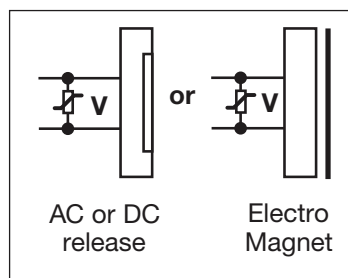
The use of a varistor or diode protects electrical equipment from transient voltage spikes.

Varistor



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

Varistor is polarity insensitive.

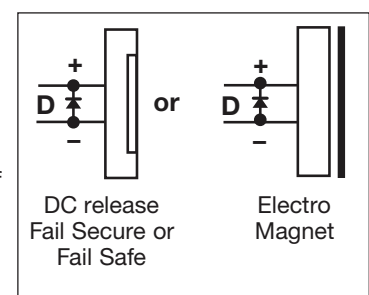
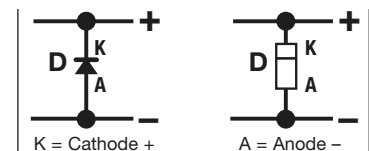


Diode



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	
MECHANICAL CHARACTERISTICS				
Dimensions (HxWxD)	164 x 93 x 50 mm			
Weight	350g			
Material	ABS			
IP protection	IK08 / IP65			
ELECTRICAL CHARACTERISTICS				
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			
FEATURES				
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			



08000 156496
 sales@ipdooreentry.co.uk
 www.ipdooreentry.co.uk
 f ipdooreentry

IP Door Entry Limited
 Unit DC4 Prologis Park
 Eastman Way
 Hemel Hempstead
 HP2 7DU



24/7/365
 www.baticonnect.com