



REP series

DATASHEET

ENGLISH V2404

Description

RF RELAY

- Built-in solar panel operated.
- Only for Infinite HUB architecture.
- Up to 6 RF relays are allowed between the HUB and any terminal device.
- Unlimited number of Samcla terminal devices per REP.
- Integrated antenna.
- Small size.
- Secure communications.
- Bidirectional communications.
- Easy to install.
- Full recharging range. Even exhausted batteries could be recharged by means the solar panel.
- Ultra low sleep mode power consumption. This allows to stock devices for a long time once battery protecting tab is removed.

SUPPLIED PARTS

REP UNIT [mm]	MOUNTING PARTS

ORDERING INFORMATION

MODEL	REFERENCE	DESCRIPTION
REP	REP006B8P	RF RELAY

Technical specifications

MECHANICAL SPECIFICATIONS

Enclosure	ABS
Operating temperature range	-15°C to 55°C / 5°F to 131°F
IP Protection	IP66
Weight (approx.)	175g / 6oz

ELECTRICAL SPECIFICATIONS

Power supply	Solar panel
Short circuit protection	--
RF range (open area)	1000m / 3281ft
RF Band	868MHz Free SRD band

STATUS LEDS

Info led	Red color	Blinks twice: Restart.
----------	-----------	------------------------

SLEEP MODE

- Approach a magnet as shown below and info led will turn on. Maintain the position until the led turns off. Then remove the magnet. Default settings will be reloaded and device will turn to Sleep Mode.



- In order to wake up the device, repeat previous action, but now remove the magnet just the led turns on. Led info will blink twice. Device is ready to install.

Installation

PRELIMINARY

- We recommend to use all mounting parts to fix the device due to achieve optimal operation.
- Install RF relays always facing South if possible, avoid facing North.
- Remove battery protection (plastic tab). If the device has no battery protection because it is in sleep mode, restart the device by using the magnet as shown before.
- We recommend to choose final emplacement after setting up, using the connectivity test function.

SET UP

- Set up can be managed from both, the web application and the Infinite HUB APP. Proceed as shown below, following screen indications in each case.
- Add the new device to the Samcla Smart Platform and choose a location on the map. Only device PSN (290...) is required for this action.
- Connect the new device to the RF network. Choose the parent node (the last REP or the HUB if no REP is required) and click connect button.
- From now on, the connectivity test function is available as many times as needed.

FAQ'S

I get "Terminal equipment not responding" error during network connection.

Move new device closer its parent node and try again.

All installation steps have been accomplished successfully, but I get nor RF level neither battery level in the dash board, even after a connectivity test.

Information will be automatically updated when any terminal device related to its RF network starts a communication.

I am trying to turn the device to the sleep mode, but info led remains blinking instead of remaining on.

Magnet has been removed too fast and the device has turned into service mode. Please wait for around 30 seconds until the led turns off and try again.

Notices and Licenses for Software

Please, refer to <https://oss.samcla.com> for more information.

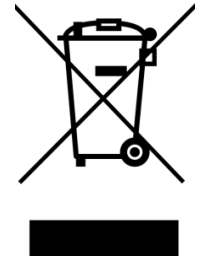
Certificate of Conformity to European Directives

SAMCLA - ESIC, S.L. declares under its sole responsibility that the REP reference REP006B8P complies with the standards of the European Directives of "Radio Equipment" (2014/53/EU).



Waste electrical and electronic equipment

This symbol (right) is shown on this product. It indicates that the product should not be disposed of with regular household waste, but should be disposed of separately. Electrical and electronic equipment can contain materials that are hazardous to the environment and human health and therefore should be disposed of at a designated waste facility or returned to your retailer for the appropriate recycling to take place.



Copyright Notice

This document is copyrighted by SAMCLA - ESIC, S.L. All rights are reserved. SAMCLA - ESIC, S.L. reserves the right to make changes and improvements to the products described in this document at any time without notice.

No part of this document may be reproduced, copied, translated or transmitted in any form or by means without the prior written permission of SAMCLA - ESIC, S.L. Information provided in this document is intended to be accurate and reliable. However, SAMCLA - ESIC, S.L. assumes no responsibility for its use, nor for any infringements upon the rights of third parties which may result from its use.

Copyright© 2024, SAMCLA - ESIC, S.L.

SAMCLA - ESIC, S.L.
Camí del Mig, 39 Nau A
08349 Cabrera de Mar (Barcelona) SPAIN
Tel. +34 93 790 77 79
www.samcla.com
comercial@samcla.com