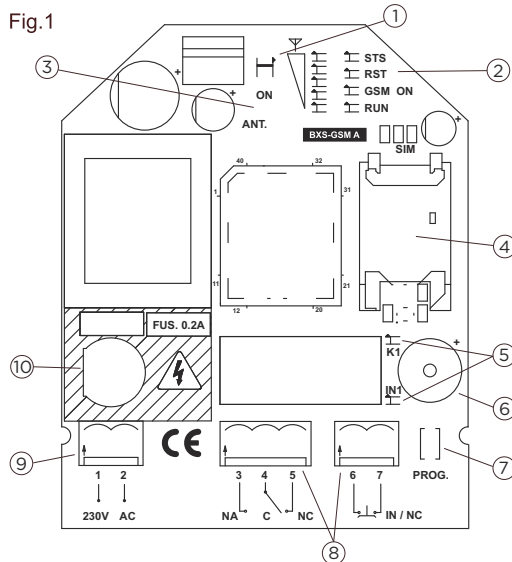


TECHNICAL SPECIFICATIONS

BOX S GSM A

Relay	1x 16 amp. relay
User memory	Depends on the model
GSM Module	Quad Band 850/900/1800/1900 Mhz
SMS	Text mode
SIM	Built in socket
Power	230VAC
Antenna	1/4-1/8 lambda MMCX included
Temperature Range	-20°C / +65°C
Dimensions	100x132x53 mm Antenna not included
Ingress Protection	IP54 (IP65 with cable glands)
Housing	ABS



COMPONENTS

1. ON Led
2. RUN/Status Reset/GSM ON Leds
3. Antenna
4. SIM card slot
5. Relay / IN1 leds
6. Buzzer
7. PROG. button
8. Terminal strips
9. 230VAC in power supply
10. Protection fuse

INDICATIONS

The receiver has visual and acoustic signs to indicate its status.

STATUS	STS Led	GSM ON Led	BUZZ
No SIM card	ON	OFF	OFF
No MASTER PASSWORD 0000	ON	ON	Beep booting
Configured	Slow blinking	ON	Beep booting
	OFF	ON	Beep booting

CE DECLARATION OF CONFORMITY

The company ELSON ELECTRONICA, S.A.
Pol. Torrelarragoiti, P6 - A3
48170 Zamudio - Vizcaya (SPAIN)

Declares:
The product: BXS GSMA Receiver
Manufactured by: ELSON ELECTRÓNICA, S.A.
Under the trademark: **SMINN**
For use in: Residential, commercial or light industry environments.

This device meets the provisions contained in the article 3 of the R&TTE 1999/05/CE Regulation, as long as its usage is compliant to what was envisaged, having applied the following regulations:

Telecommunications: R&TTE, CE, FCC

Electromagnetic compatibility: EN 301489-1 v1.3.1 (2001-09)
EN 301489-3 v1.3.1 (2001-11)

Low tension: N 60730-1:2000

Zamudio, 2016.04.28


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SPAIN

USAGE RESTRICTIONS

Operation is not guaranteed when installed in different equipment than the specified one.

THE USAGE INSTRUCTIONS OF THIS DEVICE SHALL BE HANDED TO THE USER, WHO WILL HAVE THEM IN THEIR POSSESSION. IF THEY ARE MISLAID, THE USER CAN ASK FOR A COPY OR DOWNLOAD IT DIRECTLY FROM WWW.SMINN.COM

The manufacturer reserves the right to change the specifications of these systems as well as this manual without prior warning. The equipment must be manipulated only by specialized and/or skilled personnel.

WARRANTY

This product has undergone a complete TEST during its manufacturing process that guarantees its reliability and proper operation. The manufacturer provides 24 months of warranty to the product from the date printed in the product and against any anomaly that it may present in its appearance or operation.

Any damage caused by third parties, natural causes (flooding, fire, lightning, etc), arising from improper handling or installation, vandalism or any other cause non attributable to the manufacturer will void the warranty. The warranty only covers repairs or replacement of the damaged device. Any expenses derived from assembling, travelling, transport, natural wear of parts, etc., and, in general, any expenses that are not part of the repairs or replacement of the damaged element of the system are excluded. The installer/provider will ask the manufacturer for a RMA number or authorization for transport of the system in warranty. Without this previous requisite, the manufacturer will not be able neither to process nor provide warranty service.

WARNING

This product must be used in installations which has been conceived for, considering any other as improper use. The packaging must not be dumped in the environment. Keep products, packaging, wrapping, documentation, etc., out of the reach of children. Follow the current local, national or European regulations. The information contained in this document may have some mistakes that will be corrected in future editions. The manufacturer reserves the right to modify the contents of this document or the product without any prior warning.

WASTE ELECTRICAL AND ELECTRONIC EQUIPMENT (WEEE)

In accordance with the European Directive 2002/96/EC about waste electrical and electronic equipment (WEEE), the presence of this symbol (see symbol at the bottom of this text) in the product or in the packaging, means that this article shall not be disposed in local non-classified waste streams. It is the user's responsibility to dispose this product taking it to a collection point designed for waste recycling of electrical and electronic devices. The separate collection of this product helps optimize the waste sorting and recycling of any recyclable material and also decreases the impact on health and the environment. For more information about the correct wasting of this product, please contact the local authority or the distributor where you acquired this product.

INSTALLATION AND WIRING

This SMINN device is designed to be easily fixed on a wall using the provided screws and wall plugs.

Before connecting the device to a power supply make sure the power supply is powered off. Installation shall be done by specialized personnel using adequate wiring taking into consideration that devices that are always powered on must have a power off override near them (like a Miniature Circuit Breaker).

Internal connections shall be done following the indications depicted in the silk screen printing of the board. Once the device is programmed and verified, close it using the supplied lid and screws.

SMINN RECEIVERS HAVE AN EXTERNAL LIGHT TO INDICATE WHETHER THE DEVICE IS POWERED ON OR OFF

Note: Reinforced concrete, metallic componentes and/or any other receiving device reduce dramatically the radiofrequency signal, so installation close to these elements should be avoided.

BOX S GSM A

GSM RECEIVER

INSTRUCTION MANUAL



SMINN

innovative in electronics

DESCRIPTION

SMINN's GSMA receiver is developed with state of the art electronics. It includes a quad-band receiver with capacity to store between 35 and 100 users. Being able to register users via GSM or programming switch makes it simple to use and comfortable.

They are designed to send the activation or deactivation order in home automation equipments and control easily:

Alarm, security and surveillance systems.
Lights, rolling shutters, awnings, doors, accesses...

Each device is built with high quality components and material and the latest technology, complying with current regulations for use in residential, commercial and light industry installations.



REV.1716



GSM SIM CARD'S PIN REQUEST MUST BE DISABLED FOR THE SYSTEM TO WORK

INITIAL CONFIGURATION

It is advisable to start out adding the first user (see USER MANAGEMENT), which will be, unless changed, the device master user. Additionally, it is also advisable to change the administration password (the default one is '0000'). If no user is added to the device it will work in public mode, granting access to any call to its phone number.

DIGITALS INPUT

The SMINN GSM A receiver has a configurable digital input for alarm use. The input can be configured with the following parameters:

- Contact type: Normally Open contact / Normally Closed contact
- ON time: Time the input has to be activated to produce an alarm
- OFF time: Time the input has to be deactivated to stop producing an alarm.
- Restore time: Time since an alarm has stopped until a new alarm can be produced.

Alarms produce SMS texts for all subscribed users. The SMS text can be customized.

USER MANAGEMENT

The device is available in different models for 35 and 100 users. The first user to be added is the device master, which can be changed later. The master user can use any configuration SMS. The system supports any number of administrator users aside from the master. Users can be added via a call pressing the PROG button or via SMS.

Each user will be added with the following information:

- Phone number: The system supports up to 15 digits with international prefix (ITU-T E.164 recommendation)
- Use limit: Number of accesses the system will grant to the user. It can be unlimited.
- Administrator: Establishes whether the user is an administrator or a normal user.
- Enabled: Establishes whether the user is enabled in the device or not.
- Input: Alarm input subscription for the user.

ERROR CODES

If an error occurs while processing an SMS, the device will answer with an SMS containing an error code from the following table :

1	DEVICE FULL
2	RELAY ACTION NOT VALID
3	INCORRECT PASSWORD
4	INVALID PHONE NUMBER FORMAT
5	INVALID INPUT MODE
6	INVALID USER TYPE
7	MASTER USER CAN NOT BE ERASED
8	USER DOES NOT EXIST
9	MASTER USER CAN NOT BE BLOCKED
10	INVALID PASSWORD FORMAT
11	MASTER USER CAN NOT BE REPLACED
12	INVALID PROG BUTTON MODE
13	ENTERED PHONE NUMBER IS NOT MASTER
14	INVALID TON
15	INVALID TOFF
16	INVALID TRSTR
17	SMS MISSING
18	USER ALREADY EXISTS

SMS GUIDE

Configuration SMS are only valid for administrators users and the master user. All comma separated parameters can be omitted both selectively (omitting just a parameter but leaving the commas) or from a parameter onward (ending the configuration message early). Phone numbers only support numbers and the + character for the international prefix, if used.

Ej: #0000#NEWU#+3495789056#1@ → Not written parameters will take their default values

#0000#NEWU#+3495789056#1,,255@ → UM and USES will take their default values

Add/Modify user

The same SMS can both add or modify a user. The device will only notify the administrator in case of error.

#PASSWD#NEWU#NUM#IN,UM,USES@

PASSWD: 4 character administration password

NUM: User phone number. Maximum 16 digits with international code.

IN: 1 if the user is to be subscribed to the input.

N if the user will not be subscribed to the input. **(Default)**

UM: U if it is a normal user. **(Default value)**

M if it is an administrator user.

USES: Access limit for the user; Between 1 and 254, 255 means unlimited accesses. **Default value: 255**

Ex: #0000#NEWU#+34957489056#1,U,255@

Valid for Master and Administrator users.

Delete user

The master user cannot be deleted; to delete the master user you must change the master.

#PASSWD#DELU#NUM@

Ex: #0000#DELU#957849056@

Valid for Master and Administrator users.

Block user

A blocked user is still configured in the system but is not granted access while blocked. The master user cannot be blocked.

#PASSWD#BLCK#NUM@

Ex: #0000#BLCK#957489056@

Valid for Master and Administrator users.

Unblock user

Allows to unblock a user.

#PASSWD#UBLK#NUM@

Ex: #0000#UBLK#957849056@

Valid for Master and Administrator users.

Password change

The password must be 4 alphanumeric characters.

#PASSWD#MODP#NEWPASSWD@

Ex: #0000#MODP#1234@

Valid for Master user.

User replacement

Changes the phone number of an existing user keeping its configuration. The user master cannot be replaced this way (See Master replacement later).

#PASSWD#REPL#OLDNUM#NEWNUM@

OLDNUM: Old user phone number. Maximum 15 digits with international code

NEWNUM: New user phone number. Maximum 15 digits with international code

Ex: #0000#REPL#957894056#917344557@

Valid for Master and Administrator users.

Memory format

Deletes all users except the Master user and resets all configuration to default values.

#PASSWD#FORMAT@

Ej: #0000#FORMAT@

Valid for Master user.

Master replacement

This message is only valid for the master user

#PASSWD#NEWM#OLDNUM#NEWNUM@

NEWNUM: New master user number.

Maximum 15 digits with international code. The new number must be already registered as a user.

Ex: #0000#NEWM#957894056#917434557@

Valid for Master user.

Input configuration

#PASSWD#PLRTY#MODE,TON,TOFF,TRSTR,BASE@

MODE: OFF to deactivate the digital input. **Default value**

NC for normally closed contact

NO for normally open contact.

TON: Time the input has to be active to produce an alarm.

Between 10 and 990. **Default value: 150**

TOFF: Time the input has to be inactive to stop producing an

alarm. Between 10 and 990. **Default value: 150**

TRSTR: Time interval during which the input is ignored after an

alarm has been produced. Between 1 and 99 minutes.

Default value: 5 minutes

BASE: Time base for TON and TOFF.

0 for msec., 1 for sec. and 2 for min. **Default value: 0 (msec)**

Ex: #0000#PLRTY#NC,70,200,5,0@

Valid for Master user.

Alarm SMS configuration

#PASSWD#SMS#TEXT@

TEXT: ext that is sent to subscribed users when an alarm is produced. Max 80 characters.

Ex: #0000#SMS#FIRE ALARM IN WORK PLACE@

Valid for Master user.

Input status

#STATUS@

Valid for all users.

Relay activation

#RL#ON#TIME@

TIME: Time in secs. If not set it uses the one configured with the mode.

Valid for all users.

Relay deactivation

#RL#OFF@

Valid for all users.

PROG button block

#PASSWD#PRGEN#MODE@

MODE: ON to allow registration via button. OFF to disallow it.

Valid for Master user.

Relay activation time

#PASSWD#RLCONF#TIME@

TIME: time in secs.

Valid for Master user.

Note: the device will ignore configuration SMS from users without credentials valid for the sent SMS.