

## OPERATION

When a call or SMS is received from a registered number, as long as it is not blocked, it will activate the corresponding relay. It can operate in three modes:

- IMPULSIVE: on the K4 relay with a missed call.
- IMPULSIVE / BISTABLE: on K1, K2, K3 or K4 relays via SMS.
- CONFIGURATION: also via SMS.

## USER STORAGE

Each device allows storing up to 35 phone numbers as described:

- MANUALLY: Calling from the phone number you want to register while you hold the PROG button(see Fig. 2-5).
- SMS: Sending an SMS with a specific format from the Manager/MASTER phone. The first number to be manually stored will be the system manager.

The manager can send SMS to REGISTER, UNREGISTER, BLOCK, UNBLOCK and REPLACE users' numbers, as well as send configuration messages.

## IMPULSIVE OPERATION MODE

When receiving a call from a registered phone which is not blocked, the receiver activates the K4 relay for 1 sec. and hangs up the call.

This mode is useful for garage gates, electronic locks, etc.

## SMS OPERATION MODE

When receiving an SMS with a specific format from a non blocked registered phone in the memory the receiver does the requested operation and gives a missed call.

The receiver understands the following commands:

Requesting state.

With the order #STATUS#, the system sends an SMS where it tells the state of all relays (and inputs for the DOMO +).

Relay bistable activation (stays activated until a switch off order)

#RELAY\_n#ON#B# - Activate relay 'n' in bistable mode.

#RELAY\_n#ON#0# - Activate relay 'n' in bistable mode.

Relay impulsive activation (stays activated the number of seconds indicated by 'y', between 1 and 99 sec).

#RELAY\_n#ON#y# - Activate relay 'n' for 'y' seconds.

Relay deactivation.

#RELAY\_n#OFF# - Deactivate relay 'n'.

Note: replace 'n' by the relay number you want to activate/deactivate.

For instance: #RELAY\_2#ON#10# : Activate relay 2 for 10 seconds.

## CONFIGURATION

Sending configuration messages from Manager/MASTER's phone it is possible to:

- Customize RELAY\_n and INP\_n names
- Register and unregister users
- Block and unblock users
- Modify the password

The default system password is 0000.

The receiver will send an SMS with the result of the configuration order.

Considering 0000 the system password and XXXXXXXX the phone number, we can carry out the following orders:

Register a user: #0000#NEWU#XXXXXXXXXX#

If we send an already registered user that is blocked, this order will unblock it.

Replace a user: #0000#REPL#XXXXXXXXXX#YYYYYYYYY#

Where XXXXXXXXX is the phone number to be replaced.

Where YYYYYYYYY is the new phone number.

Unregister a user: #0000#DELU#XXXXXXXXXX# (Only in HOME version)

Block a user: #0000#BLCK#XXXXXXXXXX#

Unblock a user: #0000#UBCK#XXXXXXXXXX#

Password modification: #0000#MODP#1234#

Where '0000' is the current password of the installation and '1234' the new one.

Change manager: #0000#NEWM#XXXXXXXXXX#YYYYYYYYY#

Where 'XXXXXXXXXX' is the manager/MASTER's current phone number.

Where 'YYYYYYYYY' is the manager/MASTER's new phone number.

In this case, to keep the installation working given the case the current MASTER has been lost or stolen, an SMS sent from any current, non-blocked user is permitted.

Change relay name: #0000#CNFG#RELAY\_n#XXXXX#

Where "RELAY\_n" is the text we want to change and where XXXXX is the text that replaces the previous one. Note: the maximum length of the text is 13 characters.

Change input name: #0000#CNFG#INP\_n#XXXXX#

Where "INP\_n" is the text we want to change and where XXXXX is the text that replaces the previous one. Note: the maximum length of the text is 13 characters.

Only when the Manager/MASTER sends a configuration SMS, the system answers that the order has been executed with another SMS. If the format of the SMS is not correct, the system will indicate so.

## ERROR INDICATION

The receiver has visual and acoustic signs to indicate if there is any error.

ERROR	Led RUN	Led GSM ON	BUZZ
SIM card not inserted.	ON	OFF	OFF
Modem does not respond	OFF	ON	OFF
No MASTER	ON	ON	Beep when booting up
PASSWORD 0000	Slow blinking	ON	Beep when booting up
Memory error	Fast blinking	ON	Beep when booting up

## INSTALLATION

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.

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

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Note: Reinforced concrete, metallic parts and other radiofrequency devices can substantially

# BOX M GSM DOMO / DOMO+ GSM RECEIVER

## INSTRUCTION MANUAL



# SMINN

innovative in electronics

## DESCRIPTION

The SMINN GSM receivers are designed with next generation electronic components. They support up to 35 users. User addition is easy and simple whether it is done via GSM or via the receiver's push button.

They allow activation and deactivation of home automation and control devices like:

Heating, Air conditioning

Irrigation

Alarms, security and surveillance systems

Pools, spas and tanks

Blinds, awnings, doors and access

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



## DIGITAL INPUT CARD (DOMO+ ONLY)

The digital input add-on card allows the GSM DOMO+ to accept up to 4 connections from normally closed (NC) sensors or alarm devices (temperature, water, gas, etc.) making possible SMS alerts for those devices. (Fig.1)

Once a SMS alert has been sent the input must remain deactivated for at least 5 minutes to originate a new alert.

NOTE: Each unused input must be connected to the COM Signal.

Input LEDs are normally powered on; An alert will be fired when the input circuit is open and the input LED is off.

## ALARM ALERTS (DOMO+ ONLY)

Alarm alerts can be configured for any registered user via the following messages:

Alert registration: #PPPP#SUBSCRIBE#XXXXXXXXXX#

Alert unregistration: #PPPP#UNSUBSCRIBE#XXXXXXXXXX#

Where PPPP is the administrative password and XXXXXXXXXX is the phone number to register.

## ERASE MEMORY

The phone numbers stored in the memory, as well as system configuration, can only be erased deleting completely the memory. To do so, follow these steps:

- Disconnect the power supply.
- Press and hold the PROG button.
- Connect the power supply while holding PROG.
- Wait 8 secs until the RUN LED is switched on.
- Release the PROG button for 2 seconds.
- Press and hold again the PROG button.
- RUN LED will switch off.
- Wait 8 secs until the RUN LED blinks.
- Release the PROG button.
- Wait for a validation beep.

This procedure completely erases the system memory and leaves it in a checked factory state.

NOTE: In the PRO version, this procedure is only possible when the removable memory is empty. To manage the external memory of the PRO version a CPI00 programming console is needed.

## USE LIMITATIONS

Functionality is not guaranteed if used in different applications than the specified ones.

THE USAGE INSTRUCTIONS OF THIS EQUIPMENT 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 THE WEBSITE 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 an 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

## CE DECLARATION OF CONFORMITY

The company **ELSON SISTEMAS, S. L.**  
Pol. Torrelarragoiti, P6 - A3 - 1ª  
48170 Zamudio - Vizcaya (SPAIN)

Declares the following:

The product **DOMO / DOMO+ GSM RECEIVER**  
Manufactured by **ELSON ELECTRÓNICA, S.A.**  
Under the trademark **SMINN**  
For use in **Residential, Commercial or light industry environments**

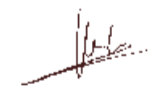
This equipment meets the provisions contained in the article 3 of the R&TTE 1999/05/CE Regulation, as long as its usage is compliant to what was envisaged, having applied the following regulations:

Telecommunications: **R&TTE, CE, FCC**

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

Low voltage: **N 60730-1: 2000**

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José Miguel Blanco Pérez  
CTO of Elson Sistemas S.L.

**SMINN**  
innovative in electronics

T. 00 34 944 525 120  
www.sminn.com  
info@sminn.com  
Pol. Torrelarragoiti, P6 - A3 - 1º  
48170 Zamudio Bizkaia

## SPECIFICATION LIST

BOX M GSM DOMO / DOMO+	For home automation and control. Includes
Relays	4 of 16 Amp. relays
User memory	Internal memory for up to 35 users
Expansion socket (DOMO+ only)	4 digital input card

GSM Module	Dual Band 900/1800 Mhz
SMS	Text mode
SIM	Integrated slot in board
Power	230VAC
Antenna	1/4 - 1/8 lambda MMCX Included
Temperature range	-20°C - +65° C
Dimensions	182 mm x 145 mm x 65 mm (antenna not included)
Index of Protection	IP54 - IP65 with packing glands
Housing	ABS

Fig.1

**DOMO+ ONLY**  
Digital input card

**COMPONENTS**  
1. Board connector  
2. Input indicator led  
3. Connection strip

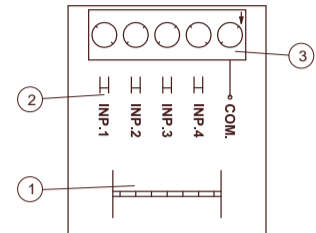
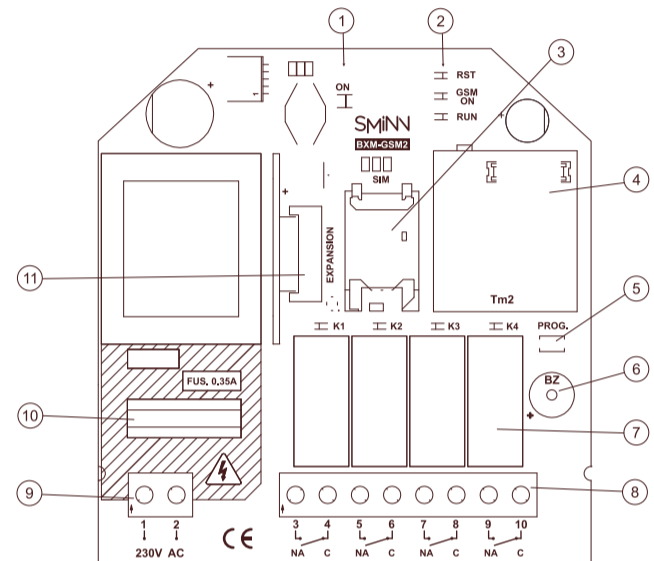


Fig.2



## COMPONENTS

- |                                   |                                   |
|-----------------------------------|-----------------------------------|
| 1. ON Led                         | 7. Relays                         |
| 2. RUN/Status/Error led           | 8. Terminal Blocks                |
| 3. SIM card                       | 9. 230V AC power input            |
| 4. GSM module                     | 10. Protection fuse               |
| 5. Programming push button (PROG) | 11. Expansion socket (DOMO+ only) |
| 6. Buzzer                         |                                   |

## ATTENTION

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

