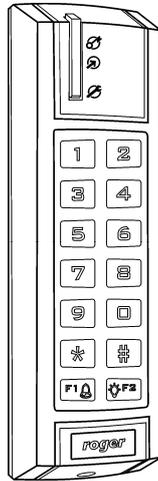


Electronic Code Lock



SL2000E v1.1



Features

- **Door Relay** output
- **Status** transistor output
- **Aux** transistor output
- **Door Contact** input
- **Exit Button** input
- **INSTALLER** code for programming
- **MASTER** code for arming/disarming
- **USER** codes for door opening
- **Door Alarm** indication
- Option: **Timed Lock-out** after three wrong codes
- Option: **Access only when Disarmed**
- Programmable length of codes
- User indexing for easy administration of codes
- Nonvolatile memory
- Keypad with backlight
- **Door Bell** key
- Three LEDs and buzzer
- **Tamper** contacts
- Outdoor operation (IP65)

Introduction

The SL2000E electronic code lock is designed for operation as a indoor/outdoor stand-alone door access control unit. The device is equipped with one relay output, two transistor outputs and two NO inputs. All codes and parameters configuring the device's operation are stored in nonvolatile memory.

Functional Description

Note: The *C1, C2...C10* parameters which appear in this manual refer to configuration settings programmed to the SL2000 during *Memory Reset* procedure (see section: *Configuring the SL2000* later in this document).

Door Relay Output

This output is designed to control a door locking device (e.g. door strike or magnetic lock). Each time the valid USER code is entered the SL2000 starts counting time delay specified by *C1C2* parameters and after it elapses the relay output is activated for a time defined by *C3C4* value. The triggering of the *Door Relay* output is indicated by LED OPEN (green), this LED lights up as long as *Door Relay* output is on.

Note: If the option *Disable Access in Armed Mode* is enabled the activation of the *Door Relay* output may occur only when the unit operates in the *Disarmed* mode.

Status Output

When the SL2000 is in *Armed* mode this output is not active and remains in high resistance condition. When code lock switches to *Disarmed* mode the *Status* output shorts to supply minus (GND) and stay in this condition as long as the SL2000 operates in the *Disarmed* mode. The maximum current sink by this output is internally limited to 1.0A, the maximum voltage applied to it must not exceed 16V DC. The *Status* output can be used for rearming of an alarm zone or to control any other device or system which requires *on/off* method of control.

Note: The arming and disarming of a code lock can be carried out by MASTER code only.

Aux Output

Normally this output remains in high resistance state, if triggered it shorts to supply minus (GND). The *Aux* output has been designed to indicate two situations:

- *Door Bell* event
- *Door Alarm* event

Whenever the *Bell* key is pressed for a moment or the [#] key is pressed and held down longer then half a second, the *Aux* output goes steady on (shorts to supply minus), the *Aux* output remains in this condition as long as the *Bell* or [#] key is being pressed.

The *Aux* output can be also activated when *Door Alarm* is active. The code lock indicates the *Door Alarm* through pulsed modulation of the *Aux* output. Thanks to this feature (steady or pulsed output) operator may distinguish the *Bell* signal from the *Door Alarm*.

The maximum current sink by this output is internally limited to 1.0A, the maximum voltage applied to it must not exceed 24V DC. Normally the *Aux* output is used to trigger some kind of warning device (e.g. alarm siren or buzzer).

Note: The *Door Alarm* has higher priority then the *Door Bell* event. As a result when two of those events occur simultaneously only the *Door Alarm* is indicated on the output line.

Exit Button Input

Triggering of this input activates *Door Relay* output on the same rules as the entry of a valid USER code. The *Exit Button* is a NO type – it becomes triggered when shorted to supply minus (GND).

Door Contact Input

This input is dedicated for a connection of a door open sensor. When input is open or left unconnected the code lock assumes that door is closed, when input is shorted to supply minus (GND) the SL2000 assumes that door is open.

Note: If you are not going to use a door open sensor leave the *Door Contact* input unconnected. Without a door open sensor the SL2000 will not indicate the *Door Open* alarm.

LED System Input

This input is dedicated to control the LED SYSTEM (orange), shorting this input with supply minus lights up LED SYSTEM. The LED SYSTEM can be use to any purpose required by installer (e.g. to indicate actual status of the alarm system).

Door Open Alarm

The *Door Open* alarm will occur when:

- door has been opened without entering of a valid USER code
- door has been opened without pressing of the *Exit Button*
- door has not been closed within *C5C6* time from the moment when door locking device was deactivated

The *Door Open* alarm is indicated by pulsed activation of the *Aux* output which is accompanied by a continues acoustic signal generated by the internal buzzer. Pressing any key will cease the acoustic signal – however this does not cancel the alarm indication on *Aux* output. The indication on the *Aux* output disappears when door becomes closed or automatically after 60 seconds from the moment when alarm arose.

Option 1: Timed Lock-out

If this option is enabled the lock disables the keypad for 60 seconds after three attempts of entry of incorrect code. After this time the SL2000 re-enables the keypad and is ready to accept new keypad's entries. The end of 60 seconds lock-out time is indicated by two series of two beeps (** **).

Option 2: Disable Access in Armed mode

If this option is enabled the SL2000 grants access to a room only when it operates in *Disarmed* mode. With this option active the access to the controlled door will be disabled for both all USER codes and *Exit Button* unless the SL2000 will be switched to *Disarmed* mode.

Note: Thanks to this option the MASTER user can disable access to the room by switching the unit to *Armed* mode and vice versa, he can enable access to controlled door by switching the code lock to *Disarmed* mode. The SL2000 can be switched between *Armed* and *Disarmed* modes through the MASTER code only.

Arming and Disarming of the Code Lock

In normal operation mode the SL2000 may work either in the *Armed* or *Disarmed* mode. The *Armed* mode is signalled by LED ARMED (red) whereas the *Disarmed* mode is signalled by LED DISARMED (green). The actual operating mode of a lock is also indicated on the *Status* output line which when active indicates that unit is *Disarmed*. The switching between *Armed* and *Disarmed* modes can be carried out by MASTER code only. Whenever code lock switches to *Disarmed* mode it generates two series of two beeps (** **) whereas when switches to *Armed* mode it generates two beeps (**) only.

Codes

The SL2000 offers three types of codes:

- MASTER Code
- INSTALLER Code
- USER Codes

Each type of code is designed for individual purpose. The length of each code can be programmed during *Memory Reset* procedure. The entry of each code must be followed by the [#] key which is used to mark the end of a code.

MASTER Code

The MASTER code is used to switch the SL2000 between *Armed* and *Disarmed* modes, it can be 4-10 digits long.

INSTALLER Code

The INSTALLER code is required to enter the *Installer Programming* mode, it can be 4-10 digits long.

USER Codes

These codes are used for activation of the *Door Relay* output. Each time a valid USER code is entered the SL2000 starts counting *C1C2* time delay and then when it passes by the unit activates *Door Relay* output. The *Door Relay* output is activated for time defined by *C3C4* settings. The USER codes can be 2-8 digits long.

Note: The SL2000 enables programming of maximum 55 USER codes, each of them can open the door.

Commands

Commands can be entered during normal working time of a SL2000 code lock and doesn't require entry to the programming mode.

[USER Code] [#]

Whenever a valid USER code is entered the code lock generates two beeps (**) and then starts count *C1C2* time delay. After it passes by the SL2000 activates *Door Relay* output for time defined by *C3C4* settings. During this time door locking device is energized and user can open the door.

[MASTER Code] [#]

Each time the MASTER code is entered the SL2000 changes its arming mode (switches from *Armed* to *Disarmed* mode or in reverse direction).

[INSTALLER Code] [#]

After this command code lock generates two beeps (**) and enters the *Installer Programming* mode. In this mode installer can program the USER codes to a unit.

[*] [Old INSTALLER Code] [#] [New INSTALLER Code] [#]

This command erases the old INSTALLER code and program new INSTALLER code. If command is successfully accomplished the unit generates three series of two beeps (** ** **).

[*] [Old MASTER Code] [#] [New MASTER Code] [#]

This command erases the old MASTER code and program new MASTER code. If command is successfully accomplished the unit generates three series of two beeps (** ** **).

Note: Whenever you re-program MASTER or INSTALLER code remember that new code programmed into a unit must have the same length as the old one.

[Bell Key]

A single short press of this key activates the *Aux* output and internal buzzer for a time of ~2...3 seconds. The indication on *Aux* output and buzzer is continued for entire time as long as *Bell* key is being pressed.

[#]

Normally it marks the end of a code but when pressed separately for a time longer the 0.5s it acts in the same way as *Bell* key.

Programming of the USER Codes

The SL2000 enables programming of up to 55 different USER codes. The USER codes can be managed (added/deleted/changed) only in the *Installer Programming* mode. In order to program the USER codes you must first enter the *Installer Programming* mode and then you have access to the programming commands listed below:

[0] [1] [#] [code] [#]

Programming of the USER code no. 1

[0] [2] [#] [code] [#]

Programming of the USER code no. 2

..

..

..

[5] [5] [#] [code] [#]

Programming of the USER code no. 55

[0] [0] [#]

Deletes all USER codes.

[9] [9] [#] [code] [#]

Deletes the code entered in square brackets.

[#]

Exit from the *Installer Programming* mode.

When the code lock accepts the new USER code it generates two series of two beeps (** **). Any attempt to program a USER code which already exists in memory or to program it with a code length bigger than programmed during *Memory Reset* will cause the programming error signalled by the long acoustic beep.

Configuring the SL2000 - Memory Reset

In order to configure the SL2000 you must perform the *Memory Reset* and then enter sequentially 10 digits (called *C1-C10*) which will configure the unit for individual installation. After the *Memory Reset* the entire contents of the code lock memory is erased (including all codes) and initialized with *Default (Factory)* settings. These values

In order to perform *Memory Reset* do the following steps:

- Turn off the power supply
- Connect *Reset* wire (Brown-Yellow) to supply plus
- Turn on the power supply
- Wait till the moment when device will sound three series of two beeps (** ** **) - this signal indicates that SL2000 erased memory and restored default configuration settings
- Disconnect *Reset* wire (Brown-Yellow) from supply plus
- Enter sequentially ten digits *C1-C10*
- After the last digit is entered the code lock generates the three series of two beeps (** ** **) then ends the *Memory Reset* procedure and switches to normal working mode.

C1C2 : *Open Delay*, specifies the time delay from a moment when access is granted to a moment when *Door Relay* will be activated. It can be programmed from 00 to 99s (default: 04).

C3C4 : *Lock Activation Time*, specifies the time for which *Door Relay* will be activated when access is granted. It can be programmed from 00 to 99s (default: 04).

C5C6 : Time for Door Closing, specifies the time within which door must be closed. It can be programmed from 00 to 99s, the 00 value sets unlimited time for closing (default: 09).

C7 : Enables or disables of reprogramming of the MASTER and INSTALLER codes, enter 0-3 (default: 0).

Value	Reprogramming of the MASTER code	Reprogramming of the INSTALLER code
0	Enabled	Enabled
1	Disabled	Enabled
2	Enabled	Disabled
3	Disabled	Disabled

Note: If *reprogramming* of a given code is disabled the SL2000 allows you a single attempt only to program of the given code. Once the code is programmed, you will not be able to change it unless the *Memory Reset* is carried out. Use this function to disable the end user to change your MASTER and INSTALLER code.

C8 : Enabling and disabling *Option1* and *Option 2*, enter 0-3 (default:0).

Value	Option 1	Option 2
0	Disabled	Disabled
1	Enabled	Disabled
2	Disabled	Enabled
3	Enabled	Enabled

C9 : Defines the length of the USER codes, enter 0-3, (default: 1).

- 0 : USER codes are 2 digits long
- 1 : USER codes are 4 digits long
- 2 : USER codes are 6 digits long
- 3 : USER codes are 8 digits long

C10 : Defines the length of the MASTER and INSTALLER codes, enter 0-3, (default: 1).

- 0 : Both codes are 4 digits long
- 1 : Both codes are 6 digits long

- 2 : Both codes are 8 digits long
- 3 : Both codes are 10 digits long

If an illegal operation occur during *Memory Reset* the device will signal an error (long beep) and will return to the beginning of the programming so you can start to enter the *C1-C10* digits once again. The *Memory Reset* procedure automatically comes to an end when the last (*C10*) digit is entered. The device stores the configuration as well as all codes in a nonvolatile memory which can be reprogrammed whenever required. After the *Memory Reset* procedure comes to an end all codes are set to default values (see section *Default Codes*).

Example:

The following digits *C1-C10* were entered during the *Memory Reset* procedure: [0][1][0][2][3][3][1][0][2][3]

This sequence sets the following options:

- *Open Delay:* 01 second
- *Lock Activation Time:* 02 seconds
- *Time for Door Closing:* 33 seconds
- Reprogramming of the MASTER code: disabled
- Reprogramming of the INSTALLER code: enabled
- Option 1; *Timed Lock-out* : option off
- Option 2; *Disable Access in Armed Mode:* option off
- USER codes: 6 digits
- MASTER and INSTALLER codes: 10 digits

Default Codes

After the *Memory Reset* is accomplished the following codes are automatically programmed into a unit:

MASTER Code

All digits are "1" (1111...), the length of the code depends on the *C10* parameter entered during *Memory Reset* procedure.

INSTALLER Code

All digits are "2" (2222...), the length of the code depends on the *C10* parameter entered during *Memory Reset* procedure.

USER Code no 01

All digits are "3" (3333...), the length of the code depends on the *C9* parameter entered during *Memory Reset* procedure.

USER Code 02..55

All USER codes no 02 -55 are blank (they doesn't exist).

Installing the Code Lock

- The SL2000 code lock should be mounted near the supervised door on a vertical piece of supporting structure.
- Assure that the surface beneath of the controller's rear panel is flat and smooth.
- Disconnect power supply before making any electrical connections.
- Once installed and electrically connected, the unit has to be properly programmed.
- When forgotten, MASTER and INSTALLER codes can be reprogrammed through *Memory Reset* procedure.
 - The code lock must be supplied form reliable power supply, calculate the adequate wire gauge to guarantee that the voltage dropout between the power supply and the DC input of SL2000 will not exceed 1V in the worst case.
 - It is recommended to supply door release device (e.g. door strike or magnet lock) and SL2000 from separate power supply but when both code lock and door release device are supplied from the same power source you must use separate pairs of cable to supply each of them.

- Always add the silicon diode (e.g. 1N400x series) in parallel to door release device – locate diode as close as possible to door release and as far as possible from the code lock.
- It is forbidden to supply the door release device directly from the DC input terminals of a code lock.
- Do not attempt to use *Door Relay* output for switching of a voltages higher then 24V DC/AC.

Connection Terminals Assignments

Connection Terminal	Wire Colour	Description
12V	Red	Supply input plus
GND	Black	Supply input minus
Status Output	Green	Status transistor output, max. current sink 1.0A/16V DC
Aux	Brown	Aux transistor output, max. current sink 1.0A/16V DC
Tamper A	Grey	Tamper contacts, NC max. 50mA/24V
Tamper B	Yellow	
Exit Button	Blue	Exit Button input, NO type
Door Contact	White-Green	Door Contact input, NO type, 1.5A/24V DC/AC
LED SYSTEM	Pink	NO input, when shorted with supply minus LED SYSTEM becomes active
COMM	White	Door Relay output, COMMON contact, 1.5A/24V DC/AC
NO	Violet	Door Relay output, NO contact, 1.5A/24V DC/AC
NC	Grey-Pink	Door Relay output, NC contact, 1.5A/24V DC/AC
Reset	Brown-Yellow	Used for memory reset

Technical Specification

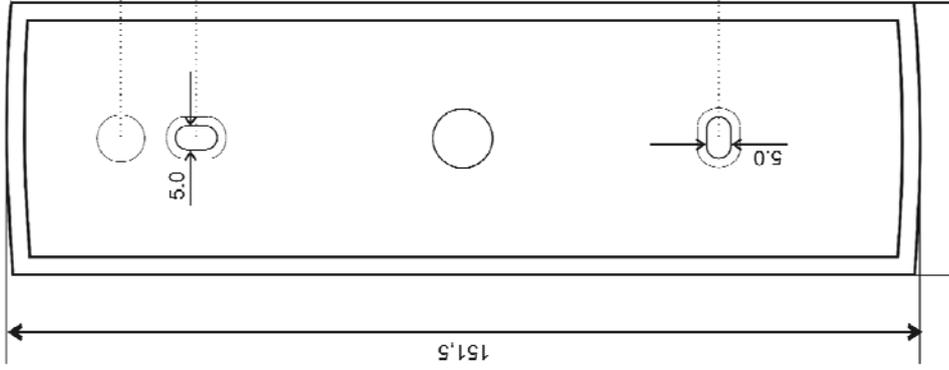
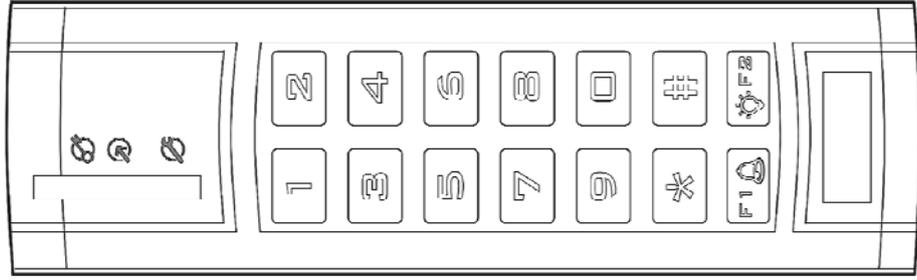
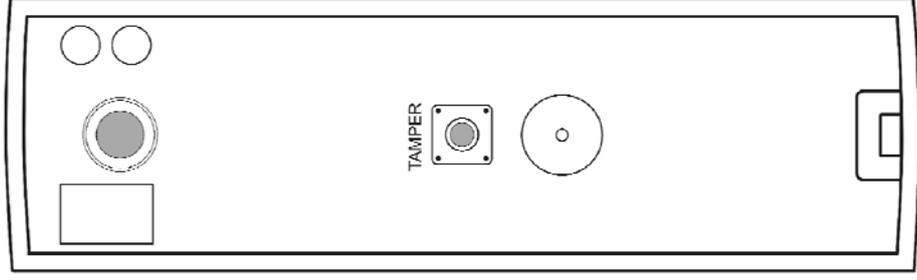
Parameter	Value
DC supply	10...16 VDC
Current consumption	Avg. 25 mA @ 12V DC, Max. 80 mA @ 16V DC with relay output active
Anti-sabotage protection (Tamper)	NC contact, 50mA/24V
Environmental Class (according to EN 50131-1)	Class IV, Outdoor-General, Temp.: -25°C +60°C Relative humidity: 10 - 95% (non-condensing)
Ingress protection	IP65
Connection cable length	45cm
Dimensions	100 X 40 X 25
Weight	~ 150g
Approvals	CE



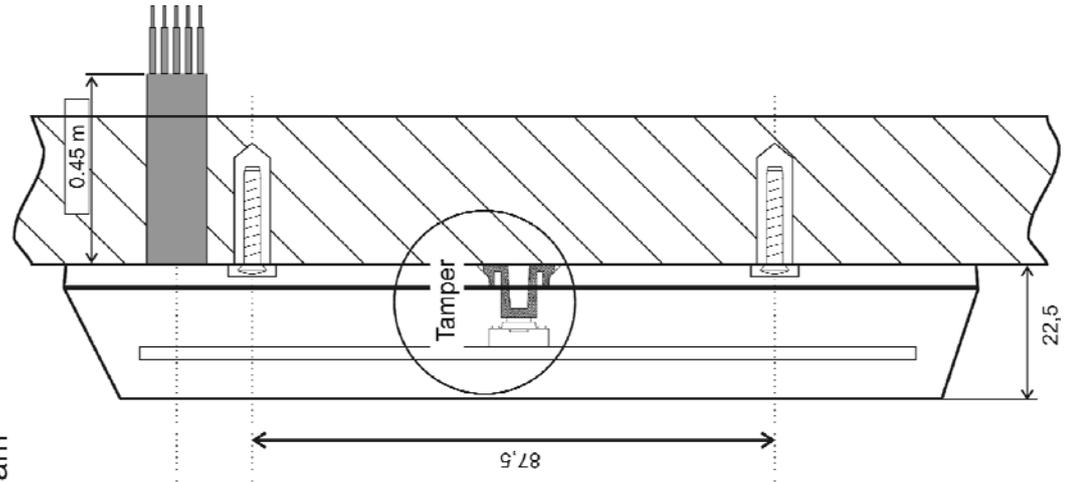
The symbol of a crossed-through waste bin on wheels means that the product must be disposed of at a separate collection point. This also applies to the product and all accessories marked with this symbol. Products labeled as such must not be disposed of with normal household waste, but should be taken to a collection point for recycling electrical and electronic equipment.

Recycling helps to reduce the consumption of raw materials, thus protecting the environment.

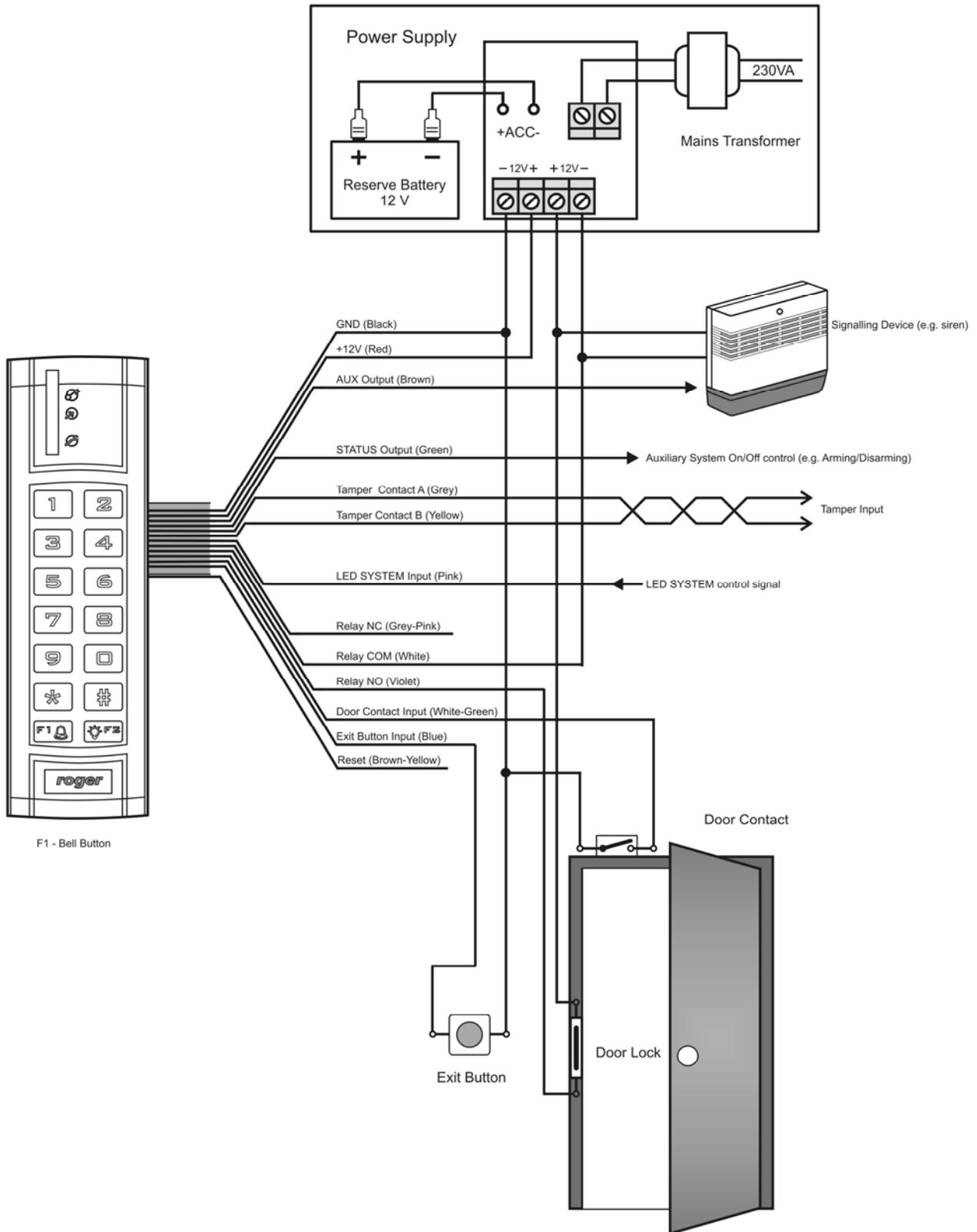
-  LED STATUS
-  LED OPEN
-  LED SYSTEM



SL2000E v1.1 Code Lock
Views and Installation Diagram



SL2000E v1.1 - Typical Wiring Diagram



Deklaracja Zgodności EC Declaration of Conformity EC



Producent urządzenia / manufacturer:

ROGER sp.j.

82-416 Gościszewo 59, Poland

deklaruje z pełną odpowiedzialnością, że produkt:
declares under his sole responsibility that the product:

SL2000E Elektroniczny Zamek Szyfrowy / ABS Indoor Code Lock

nazwa produktu, nazwa handlowa, model / product name, trade name, model

jest zgodny z postanowieniami następujących dyrektyw:
complies to the essential requirements and other relevant requirements of the directive:

Numer dyrektywy / Number of directive		
1.	2004/108/EC (EMC)	Dotyczy / Applicable
2.	99/05/EC (R&TTE)	Nie dotyczy / Not applicable
3.	2006/95/EC (LVD)	Nie dotyczy / Not applicable

oraz z wymienionymi poniżej normami, co zostało potwierdzone przez testy przeprowadzone przez laboratorium notyfikowane:

and is compliant with the following standards and/or other normative documents, what is confirmed by tests in accredited laboratory:

Norma / Normative document	Dyrektywa / Directive	Laboratorium / Laboratory
EN 50130-4:2002 EN 55022:2000	Kompatybilność elektromagnetyczna/ Electromagnetic compatibility (EMC)	Instytut Elektrotechniki Oddział w Gdańsku The Technical Institute The Gdańsk Branch, Poland
_____	Wyposażenie radiowe i terminali telekomunikacyjnych / Radio directive (R&TTE)	_____
_____	Niskonapięciowe wyroby elektryczne/ Low voltage directive (LVD)	_____

Informacje dodatkowe / Additional information:

Miejsce przechowywania dokumentacji technicznej: Roger Sp.j. 82-416 Gościszewo 59.
The technical documentation is kept by Roger Sp.j. in 82-416 Gościszewo 59, Poland.

Gościszewo 20/07/2007

Miejsce i data wystawienia deklaracji
Place and date of issue of this declaration


Grzegorz Wensker
Dyrektor Techniczny / Technical Manager



RMA Form

ROGER Sp.j.

Gosciszewo 59,
82-416 Gosciszewo,
pomorskie, Poland

Tel.: +48 55 272 0132

Fax: +48 55 272 0133

Tech. Support: +48 55 267 0126

<http://www.roger.pl>

Please note:

In the unlikely event you experience difficulties with your ROGER product, please contact ROGER's Technical Support Department to resolve the problem. They may be reached at **+48 55 2670126** or support@roger.pl Monday through Friday **8:00 A.M. to 4:00 P.M. (GMT + 1)**. You can also contact the Technical Support Department by **fax** at **+48 55 2720133**. If it is determined that you need to return the product, the following procedure must be followed to ensure prompt service.

RMA no.

Customer information:

Company Name:
Contact Name:
Street:
Code, City:
Country:
E-mail:
Contact phone:
Fax:

Product information:

Product Name:
Serial Number:
Date of Purchase:

Reason for return:

- Warranty repair:
 - Repair:
 - Complaint:
 - Wrong delivery:
 - Others:
-
(please specify)

Fault description:

what does not work, what is the reason for complaint, what can ROGER do for you ?

.....
.....
.....
.....
.....
.....
.....
.....
.....
.....

Please note:

In the unlikely event you experience difficulties with your ROGER product, please contact ROGER's Technical Support Department to resolve the problem.

They may be reached at **+48 55 2670126** or support@roger.pl Monday through Friday **8:00 A.M. to 4:00 P.M. (GMT + 1)**.

You can also contact the Technical Support Department by **fax at +48 55 2720133**.

If it is determined that you need to return the product, the following procedure must be followed to ensure prompt service.

1. Any product returned to ROGER must have an RMA number. ROGER will refuse any package that is returned without a valid RMA number.
2. ROGER products cannot be returned for any reason other than defective
3. Defective products will only be accepted in accordance with the ROGER's warranty requirements.
4. All RMA numbers will be valid for a period of not longer than 14 days.

Any package send to ROGER after 14 days of issuance will be refused and shipped back to you at additional cost.

5. If you purchased Roger product not directly from Roger company, please return it to the place where you bought it.
6. In order to receive RMA number please fill out the following form.
7. Once the completed form has been received and processed it will be returned to you with a RMA number appended. This is your authority to return the product.
8. Please ensure that this document accompanies the product when it is returned and that a copy is retained such that you can refer to it when requesting an update on the progress of a repair.
9. Use one RMA number per one returned product.
10. Put your RMA number on the shipping/address label
11. Please make sure that you always return product in appropriate packaging together with a RMA form in order to avoid damages during transit, You are advised to get proof of delivery
12. Some repairs may be chargeable and you will receive formal advice if this is the case.
13. If product returned as defective is found **not** to be defective, it will be returned back to the customer at his expenses. In that case the customer will be also charged with costs which may arise after triggering the RMA procedure.
14. If the product is beyond economical repair then the following options will be given:

Scrapped – This will occur automatically if ROGER does not receive a reply to three notices send to the customer at least in 5 days interval.

(There may be some exceptions to this) or if you instruct us during these communications.

Returned – However this will incur shipping charges.

Note: All repairs are dealt with as rapidly as possible although repair time is not guaranteed. Please contact us and we will try our best to suggest an estimated lead-time.

Notes

--

No.	Fault description (filled out by the customer)	Date of repair (filled out by the service)
1.		
2.		
3.		
4.		
5.		



Roger Worldwide Limited Warranty

(valid only with proof of purchase and when completely fulfilled)

ROGER Sp.j.
Gosciszewo 59,
82-416 Gosciszewo,
pomorskie, Poland

Tel: +48 55 272 0132
Fax: +48 55 272 0133
Tech. support: +48 55 267 0126
http://www.roger.pl

Please note:
In the unlikely event you experience difficulties with your ROGER product, please contact ROGER's Technical Support Department to resolve the problem. Call us from Monday through Friday **8:00 A.M. to 4:00 P.M. (GMT + 1)** or send email: support@roger.pl.

PRODUCT INFORMATION:

Product Name:
.....
.....

Serial Number:

Date of Purchase, Purchase receipt:

WARRANTY TERMS:

ROGER sp.j. (Roger) Worldwide Limited Warranty is applicable worldwide and supersedes any other warranty.

WARRANTY

This limited warranty extends only to the original purchaser of the Roger product.

WARRANTY DURATION

Roger warrants to You (original purchaser) that for a period of one year (the "Warranty Period") from the date of original purchase, limited by the end of 3 years period starting with the date of manufacture, your Roger Product will be substantially free of defects in materials and workmanship under normal use.

WARRANTY COVERAGE

If the Product proves defective during the Warranty Period please contact Roger Technical Support. BE SURE TO HAVE YOUR PROOF OF PURCHASE ON HAND WHEN CALLING.

If ROGER receives defective product (together with a copy of your original proof of purchase and RMA Number), ROGER will either repair or replace parts which, under normal conditions of use and service, prove to be defective in material or workmanship.

No charge will be made for labor or parts with respect to defects covered by this warranty, provided that the work is done by Roger or a Roger authorized service center.

This warranty does not cover expenses incurred in the transportation, removal or reinstallation of the product, whether or not proven defective.

Replacements or repairs furnished under this warranty are subject to the same terms and conditions of the original warranty.

EXCLUSIONS AND LIMITATIONS

This warranty does not apply if the Product (a) has been altered, except by Roger, (b) has not been installed, operated, repaired, or maintained in accordance with instructions supplied by Roger, or (c) has been subjected to abnormal physical or electrical stress, misuse, negligence, or accident. In addition, due to the continual development of new techniques for intruding upon and attacking networks, Roger does not warrant that the Product will be free of vulnerability to intrusion or attack.

This warranty does not cover repair or replacement where normal use has exhausted the life of a part or instrument.

ALL IMPLIED WARRANTIES AND CONDITIONS OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ARE LIMITED TO THE DURATION OF THE WARRANTY PERIOD. ALL OTHER EXPRESS OR IMPLIED CONDITIONS, REPRESENTATIONS AND WARRANTIES, INCLUDING ANY IMPLIED WARRANTY OF NON-INFRINGEMENT, ARE DISCLAIMED.

IN NO EVENT WILL ROGER BE LIABLE FOR ANY LOST DATA, REVENUE OR PROFIT, OR FOR SPECIAL, INDIRECT, CONSEQUENTIAL, INCIDENTAL OR PUNITIVE DAMAGES, REGARDLESS OF THE THEORY OF LIABILITY (INCLUDING NEGLIGENCE), ARISING OUT OF OR RELATED TO THE USE OF OR INABILITY TO USE THE PRODUCT (INCLUDING ANY SOFTWARE), EVEN IF ROGER HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. IN NO EVENT WILL ROGER' LIABILITY EXCEED THE AMOUNT PAID BY YOU (original purchaser) FOR THE PRODUCT, WITH THE LIMITATION THAT THE AMOUNT CAN NOT BE HIGHER THAN ROGER'S RECOMMENDED ENDUSER PRICE (WHICH IS AVAILABLE ON REQUEST DIRECTLY FROM ROGER).

The foregoing limitations will apply even if any warranty or remedy provided under this Agreement fails of its essential purpose. The terms of this warranty may not be varied by any person, whether or not purporting to represent or act on behalf of Roger.

This warranty represents the full extent of Roger's responsibility. This warranty shall become null and void in the event of a violation of the provisions of this limited warranty.

.....
Date, sign and stamp of the seller

