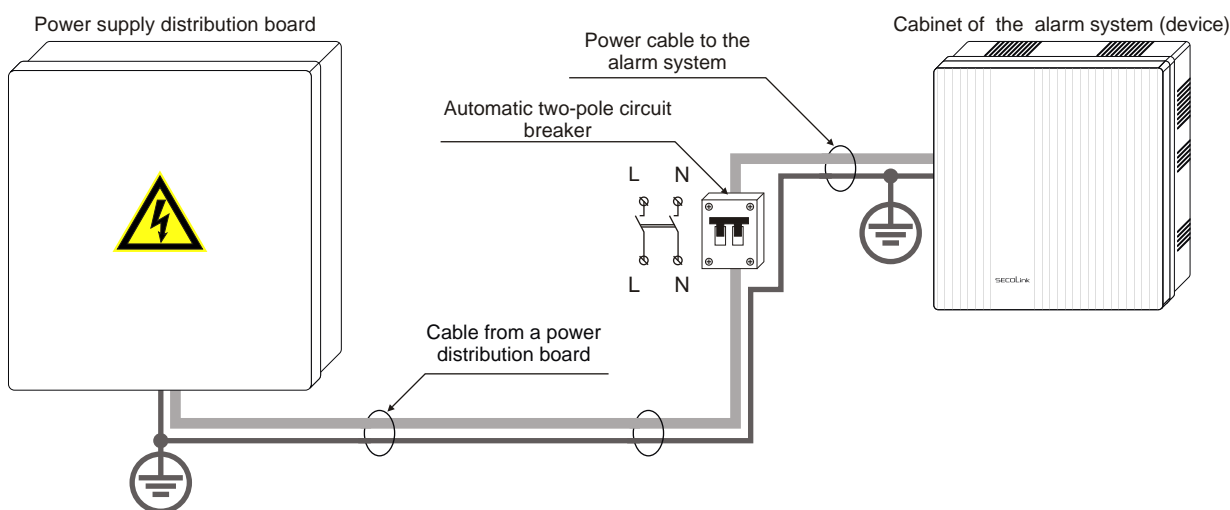


### SAFETY WARNINGS

- ⚠ The device must be installed in a place with limited access.
- ⚠ The device must be connected to AC power supply with Protective Earthing. Cable colors and purpose: Phase or Live line (L) - black or brown cable, Neutral line (N) - blue cable, Protective Earth line (PE) - green cable with a vertical yellow stripe. Please use only double isolated cables with a cross-sectional area of no less than 0,75 mm<sup>2</sup> for 230V power supply.  
The device uses two power supplies: main and back-up.  
Main power supply: a power transformer with:
  - primary winding: ~230V, 50 Hz;
  - secondary winding: ~20V, 1.5A, 50Hz.
 Back-up power supply: 12V, 7Ah/20HR capacity, rechargeable hermetically sealed Lead-Acid battery.
- ⚠ SECOLINK intruder alarm system is compliant with EN 60950-1 safety requirements.  
Power supplies described above must comply with the EN 60950-1 safety requirements.
- ⚠ All devices connected to the intruder alarm system (sirens, detectors, computer for programming, and etc.) must comply with EN 60950-1 safety requirements.
- ⚠ Additional **automatic Two-Pole Circuit Breaker** should be installed in an AC electric power circuit in order to protect against over-current, short circuits, and earthing faults.
- ⚠ The circuit breaker contact gap should be no less than 3mm, protective circuit breaker current must be in a 0,5A - 2A range.  
The circuit breaker should be placed close to the system's housing and should be easily accessed.



**Picture 1.** Automatic two-pole circuit breaker and a power cable wiring diagram

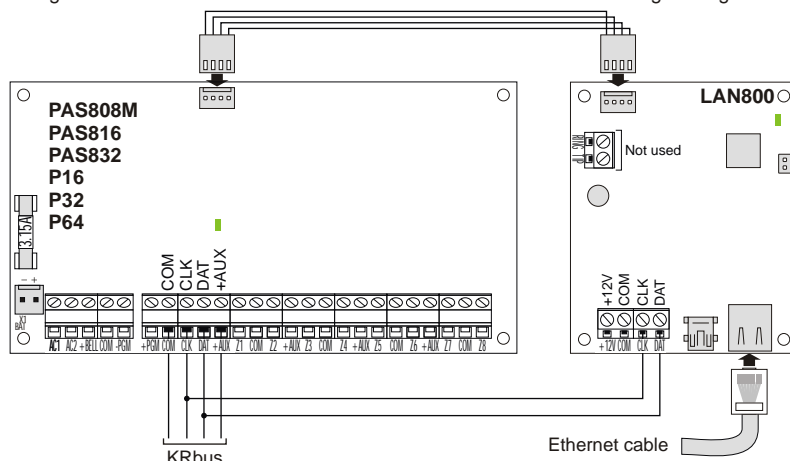
- ⚠ Device installation and service should be performed by trained personnel with sufficient knowledge about the device and general safety requirements to work with low voltage (up to 1000V) AC power lines. In case of a device malfunction, repair works can only be performed by qualified personnel. If the system is malfunctioning, the end user should inform the qualified personnel as soon as possible. The user doesn't have a right to repair the system.
- ⚠ Before performing any work of installation or service **always** disconnect the device from power supplies in the following order:
  - cut off 230 V AC power line with the automatic Two-pole Circuit Breaker;
  - disconnect the 12V back-up battery by removing battery female plug from a male socket BAT.
 Two-pole Circuit-Breaker installation on flexible cables is forbidden.
- ⚠ Alarm system modules comes with a built-in LED indicator. LED blinks when the module is powered up. Press any key on the keypad to check if the system is powered up or not. If system was powered up, the keypad backlight will last for 30 seconds.
- ⚠ General safety requirements:
  - do not touch any part of the main power supply under voltage such as a transformer, a fuse block, or connection wires;
  - it is forbidden to perform any device installation or service work during lightning;
  - use batteries as per manufacturer's recommendations. The use of improper battery type may cause an explosion;
  - battery replacement : make sure that battery terminals are isolated; battery terminals' short-wiring may cause an explosion.
- ⚠ It is not recommended to connect the device to a fully discharged battery. To avoid system malfunction use an adequate charger to charge a new or discharged battery before connecting it to the device.
- ⚠ Inoperative or expired batteries should be recycled according to the local rules or EU directives 2006/66/EC and 93/86/EEC.  
Collection and separate utilization of waste battery is mandatory!
- ⚠ Connection to the main supply must be made as per local authority rules and regulations.
- ⚠ The end of a stranded conductor shall not be consolidated by soft-soldering and insulated pins should be used instead. Insulated pins need to be connected in a proper manner to remain mechanically efficient.
- ⚠ LAN800 is designed to be used together with a router which is placed in the same room or premises. It's prohibited to connect LAN800 directly to Wide Area Network (MAN, WAN) or building's IT infrastructure cables.
- ⚠ Please act according to your local rules and do not dispose of your unusable alarm system or its components with other household waste. This product utilization in EU is covered by European Directive 2002/96/EC.

### General information

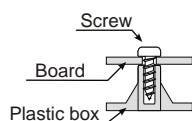
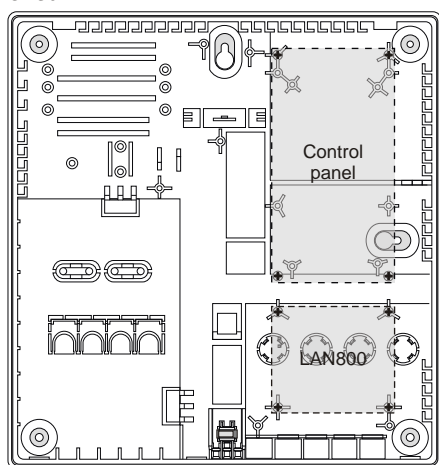
The LAN800 module is network internet communicator that can send events to Central Monitoring Station or to module manufacturer's server ALARMSERVER.NET. Using the ALARMSERVER.NET services and smartphone application SECOLINK PRO system user can control the system and get system status messages from alarm system (armed, disarmed, alarm and etc.). It is designed to be operated by keypad and is capable of being programmed by means of computer and software MASCAD or Communicator CS in MS Window environment. More information can be found at intruder alarm systems manufacturer's, Kodinis Raktas UAB, website <http://www.secolink.eu/en/products/communicators/lan>

## INSTALLATION

⚠ Short manual is recommended for professional installers who are experienced in the installation of intruder alarm systems and have already read the SECOLINK wiring manual. Wiring manual must be read before the installation to avoid accidents with high voltage and temperature.

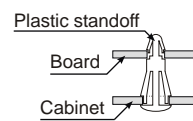
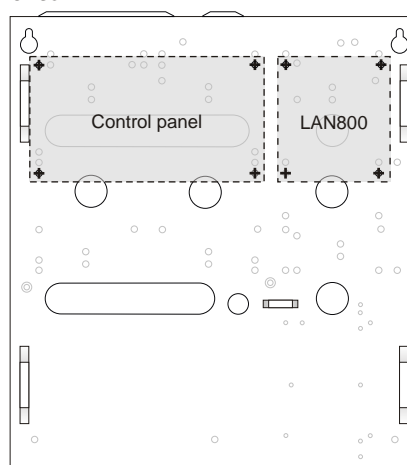


CAS6



Boards of control panels and modules have to be fastened in a plastic cabinet by using screws. Module's mounting holes should correspond to cabinet's rear wall holes.

CAS8

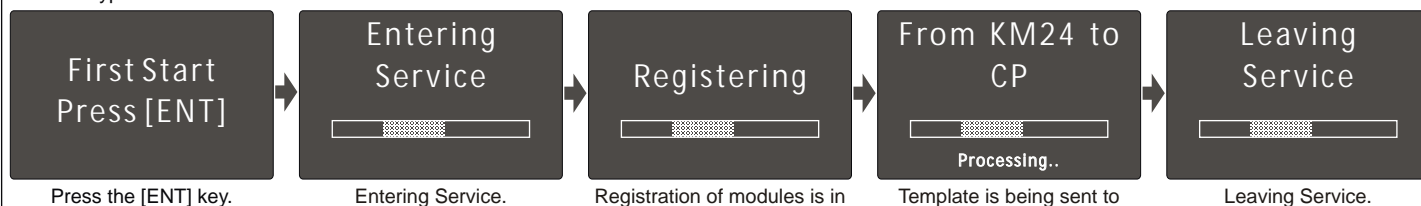


Insert the standoff into cabinet's mounting hole in desired location and snap in place. Position circuit board mounting holes over standoffs. Press firmly on board to snap in place.

## STARTING THE SYSTEM

Upon power-up of the system, the keypad will display a phrase - *First Start Press [ENT]*. Press the ENT key to proceed.

On the keypad's LCD:

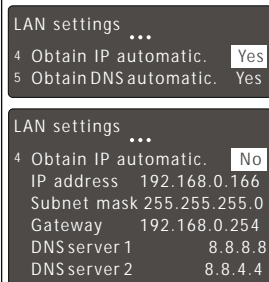


**Note:** When LAN800 is connected to an already installed system, run the automatic module registration using the service mode menu: *Service Mode* ▶ *System setup* ▶ *Modules* ▶ *Automatic registration* or run *Manual Registration* if another module is already registered in default 07 address: *Service Mode* ▶ *System setup* ▶ *Modules* ▶ *Manual registration*. DO NOT FORGET to send data from the keypad to the system when module's registration process will end.

## LAN CONNECTION

By default, the LAN800 module is set to obtain IP automatically, which should be kept only if your Internet Service Provider (ISP) supports Dynamic Host Configuration Protocol (DHCP) or you are connecting through a dynamic IP address. However, it is **recommended to use a static** (permanent) IP address to connect to the Internet.

🔧 *Service Mode* ▶ *Report settings* ▶ *LAN settings*



In order to program the static IP, select *No* in *Obtain IP automatic*. parameter and manually enter all IP settings:

- ♦ *IP address* - enter module's IP address in the network (for example: 192.168.0.166).
- ♦ *Subnet mask* - enter the subnet mask in which the module works (for example: 255.255.255.0).
- ♦ *Gateway* - the default gateway provides a default route for TCP/IP hosts to use when communicating with other hosts on remote networks (for example: 192.168.0.254).
- ♦ *DNS server 1 & 2* - DNS technology allows you to type website names into No. 1 or No. 2 receiver's address field (for example: receiver.secolink.eu) and the module will automatically find that IP address on the internet. The Google Public DNS IP addresses (IPv4) are as follows: 8.8.8.8 and 8.8.4.4.

## REPORTING TO CENTRAL MONITORING STATION

The *LAN settings* menu contains parameters that enable the routing of specified events for up to two CMS receivers via Ethernet.

 *Service Mode* ▶ *Report settings* ▶ *LAN settings*

LAN settings

1 Receiver No.1 ☐ Enabled

Address 77.201.45.26

Port 9999

Use SERIAL account Yes

Account number 1234

Protocol E2

Transport TCP

All settings below are visible when reporting to a CMS Receiver No.1 or Receiver No.2 via LAN if it's enabled.

- ♦ *Address* - program the address of the CMS receiver (for example: 77.201.45.26 or receiver.secolink.eu).
- ♦ *Port* - program the port used for communication with the CMS receiver.
- ♦ *Use SERIAL account* - if selected, then the module will use the same account as it is programmed in the *SERIAL interface menu*. The programmed account number and this number will be shown in the menu *Account number*.
- ♦ *Account number* - this account number will be used for all reporting events. Use the [#] key to enter additional hex symbols: B, C, D, E, F.
- ♦ *Protocol* - define the protocol format used to report the system events to suitable CMS receivers that understand following protocols:
  - ◊ E2 (SECOLINK RCR, SECOLINK IP2, ENIGMA II, IP2);
  - ◊ CSV IP;
  - ◊ Fibro
- ♦ *Transport* - define the transport layer protocol: *TCP* or *UDP*.

LAN settings

2 Receiver No.2 ☐ Enabled

Use as backup for Rec.1 Yes

- ♦ *Use as backup for Rec.1* - if the communication with a receiver No.1 is not established via LAN, the system sends a report to the receiver No.2. If setting's value is *No*, then the copy of event will also be sent to another CMS receiver.

LAN settings

4 Periodic test ☐ Yes

Send every 15 sec

The *Periodic test* menu enables you to set time intervals during which the module will automatically send a test report to the CMS in order to check the LAN network.

**Note:** module starts reporting an event to CMS Receiver No.1 (pass-trought) when it is generated in the system's event log. When event is sent and acknowledge signal is received then module will start reporting the next event or will wait for another event to report. There is no additional notification to the user that event is successfully delivered to CMS. User will be informed with a message about the hardware trouble on LCD screen if module detects that LAN cable is not connected or module can't connect to the network. User will also be informed with a message about reporting trouble on LCD screen if module failed to report to CMS receiver.

## REGISTRATION OF THE ALARM SYSTEM IN ALARMSERVER.NET

ALARMSERVER.NET is simply a service platform that keeps in sync end user devices which have the SECOLINK PRO app installed with the alarm system. Status (armed/disarmed, alarms, troubles), temperature in premises (measured by temperature sensors BT1, BP1, or keypads), and video recordings made by VIDNET - can all be monitored using the service. This platform is also useful to installers to remotely monitor alarm system's performance and to remotely update system settings. This communication uses data service and charges may apply. **Note:** You must first register your system with a server before using ALARMSERVER.NET.

 *Main Menu* ▶ *Settings* ▶ *www.alarmserver.net*

Mandatory settings:

www.alarmserver.net

1 Registration on server

This menu is used to register your intruder alarm system on ALARMSERVER.NET and to send any settings related to communication. It is mandatory to register your system with a server if SECOLINK PRO application will be used to control the system via TCP/IP. After a successful registration go to [www.alarmserver.net](http://www.alarmserver.net) to create a free account.

**Important!** Registration process should be repeated if any settings described below are changed.

www.alarmserver.net

6 Reporting

**Reporting** – in this menu the user can change settings for reports on ALARMSERVER.NET and enable or disable system control via server.

- ♦ *Periodic test* – the module can send a test message periodically: every 10 min, 30 min, 1 hour, 6 hours, 24 hours, 48 hours or it can be disabled.
- ♦ *Technical info* – the module can send technical information periodically: every 10 min, 1 hour, 24 hours, every 1 week, or disabled.
- ♦ *Every event* – to view present status of the system, all new generated events (e.g. arming/disarming, alarms and etc.) should be sent to ALARMSERVER.NET. This setting must be enabled, if SECOLINK PRO application will be used to control the system via TCP/IP.
- ♦ *Event log* – the event log could be sent periodically: every 10 min, 1 hour, 24 hours, every 1 week, or disabled. This menu disappears if *Every event* setting is *Yes*.
- ♦ *Motion detection* – the system can send a list of violated zones during the predefined time period. This time period is directly related to report sending period: every 10 min, 1 hour, 24 hours, every 1 week, or disabled.
- ♦ *TCP control* – this setting must be enabled if SECOLINK PRO application will be used to control the system via TCP/IP. The module establishes a continuous connection (keep-alive) with the server to ensure real-time control.

www.alarmserver.net

7 Privacy settings

**Privacy settings** – in this menu the user can change privacy settings.

- ♦ *Report user names* – selecting an option *Yes* will allow the system to send user names to ALARMSERVER.NET, which can be viewed in SECOLINK PRO application. The application will show default system names such as User 01, User 02, if the user will select an option *No*.
- ♦ *Report zone names* – selecting an option *Yes* will allow the system to send the zone names, partitions and other information (except users names) to ALARMSERVER.NET, which can be viewed in SECOLINK PRO application. The application will show default zone names such as Zone 01, Zone 02, if the user will select an option *No*.
- ♦ *Save event log* – selecting an option *Yes* will allow the user to view the saved system's event log in the application. The event log will not be seen with an option *No*.

Optional settings:

www.alarmserver.net

2 Send project to server

To remotely modify the existing system project, upload it to ALARMSERVER.net using the *Send project to a server* menu. Uploaded project is automatically assigned to the installer who maintains the user's system account. An installer can download the project from ALARMSERVER.NET to computer and modify it using the MASCAD software. In order to apply changes to the system the modified project should be uploaded back to the server. When this action is done, an installer should notify the user to download the modified project to the system using *Receive prj. from a server* menu.

www.alarmserver.net

3 Receive prj. from server

www.alarmserver.net

4 Send event log

This menu is used to manually send the event log to ALARMSERVER.NET. All events stored in ALARMSERVER.NET will be *overwritten*.

www.alarmserver.net

5 Send technical info

This menu is used to manually send technical information to ALARMSERVER.NET.

## CREATING A NEW ALARMSERVER.NET ACCOUNT

**Important!** System user should have an alarmserver.net account to synchronize the system with SECOLINK PRO application.

1. The user should go to [www.alarmserver.net](http://www.alarmserver.net) and create a user account.
2. A pop-up form will appear on the screen prompting the user to enter his/her name, location, e-mail address, and system BI.
3. User should login to an account using his e-mail and password.
4. User's system should be assigned to his/hers account after the first login. System BI number, entered in while registering the account, should be visible in a corresponding field. The system should be given a suitable name with location description of where it is installed. The DEMO voucher will activate automatically when the system is added to the account. The DEMO includes features like system control via TCP/IP using SECOLINK PRO app, push notifications, video clip storage, and video review using the app or web browser's window. Free DEMO period is 10 days. When DEMO expires the system can be upgraded (topped up) by entering a 20 character voucher code. System installer should be contacted to get this code which can be printed on a receipt, received by e-mail, or SMS. An account may only be upgraded with a code that is valid in that specific location (country) where the system is installed.
5. It is recommended to test the system before beginning the synchronization with SECOLINK PRO application. The system can be armed and triggered to generate an alarm. All events should be received in ALARMSERVER.NET and the user should be able to view these events in the event log.

## ASSIGNING USER'S APP TO THE SYSTEM

SECOLink

Congratulations on your ownership of a SECOLINK security system! This application will help you efficiently control and monitor your property.

Language English >

Let's start >

Start demonstration mode >

← Add new object Done

GENERAL INFO

Your name Paulius

Your phone No. +37061111111

ALARMSERVER.NET

In use YES

Account: [email]

Password: [dots]

← Add new object Done

CHOOSE ALARM SYSTEM

House YES

Ford Mondeo NO

← Add new object Done

ALARM SYSTEM INFO

Car alarm NO

Home alarm YES

Object name House

Alarm system PIN [dots]

Encrypt PIN YES

CONSIST

System with keypad YES

Connected to LAN YES

House

Module: P64

Location: VIDNET

BI: [dots]

1. Run application SECOLINK PRO and tap *Let's start*. Tap on and then on *Add new object* if you already have any systems assigned to your application.
2. Enter your name and your phone number. Select *Yes* in setting *In use* and enter details related to login to server ALARMSERVER.NET. Press *Done* to continue.
3. Select an alarm system. Tap and hold for more details. Press *Done* to start data downloading from the ALARMSERVER.NET
4. Enter system name and PIN code. Check the *Consist* of the system. Press *Done* to continue.

← Add new object Done

COMMUNICATION WITH ALARM SYSTEM

Internet only YES

← Notification settings Done

PUSH NOTIFICATIONS (House)

Alarm YES

Arming YES

Disarming NO

Zone bypassing NO

Control action NO

Trouble NO

SECOLink

House

Smart menu

Arm

Disarm

Bypass zones

Clear alarm

Status, Video

Control

Events, Users

Notifications

5. Press *Done* to continue.
6. Choose which notifications will be sent by the alarm system to the application. Press *Done* to save.
7. Home screen of the app. Application is ready to use. Enjoy!

## System compliance and warranty



Kodinis Raktas UAB, manufacturer of SECOLINK Intruder Alarm System, offers a Warranty for a term of twenty-four months. It declares, that product LAN800 complies with essential EU directives and EU standards EN 50131-1, Grade 2, Environmental Class II; EN 50136-1; EN 50136-2; EN50131-10. For more information visit manufacturer's website [www.kodinis.lt](http://www.kodinis.lt) or [www.secolink.eu](http://www.secolink.eu) for a complete text of declaration. SECOLINK Intruder Alarm System is designed and manufactured in Lithuania.