

SE-COR-433 Coordinator, 433MHz w/o encl.

www.boschsecurity.com



BOSCH
Invented for life



- ▶ Fixed frequency of 433.42 MHz
- ▶ Device controller for up to 15 receivers
- ▶ Can be powered using Power over Ethernet (PoE)
- ▶ Wired TCP/IP to the host central console; wired (RS-485) to receiver
- ▶ Remote firmware upgradable via wired TCP/IP

The Security Escort coordinator is a device controller for up to 15 Security Escort receivers. Its primary function is to monitor the receivers, and report conditions and events to the central console over wired Ethernet (TCP/IP). The coordinator can be powered using Power over Ethernet (PoE).

Functions

Function during alarm

- The coordinator sends commands to specific devices to determine the nature of the Off-Normal condition. During an alarm or test, the coordinator sends commands to obtain the transmitter identification number, transmitter battery condition, and received signal strength.
- The alarm information is sent by the receiver to the coordinator by wired RS-485.
- The alarm information is then relayed by the coordinator to the central console by wired Ethernet (TCP/IP), where it graphically shows the identity and location of the subscriber (user) sending the alarm.

Configuration

The coordinator identifies each receiver by its address. The address is set during system installation using a DIP switch on the receiver circuit board. Coordinators communicate on the data bus with individual devices by issuing commands, which contain the receiver's address.

Setup and testing

Upon setting up each coordinator and connected devices, they can be tested remotely from the central console. Also, each coordinator reports any problems, such as tamper, immediately upon detecting them.

Alarm input and relay output control

The coordinator has 2 analog inputs and 2 relay outputs. The analog inputs are monitored and support 4 state supervised modes. The coordinator can detect short/open wiring conditions, and initiate an alarm if the appropriate input devices are connected. Each relay output provisions for normally open (NO), normally closed (NC) and common (C) terminals.

Certifications and approvals

Region	Regulatory compliance/quality marks	
Australia	RCM	
Europe	CE	EN 55032:2015, EN 61000-6-3:2007 +A1:2011, EN 61000-3-2:2014, EN 61000-3-3:2013, EN 55024:2010 +A1:2015, EN 61000-6-1:2007, ETSI EN 301 489-1 V2.1.1, Final Draft ETSI EN 301 489-3 V2.1.1, ETSI EN 300 220-1 V3.1.1, ETSI EN 300 220-2 V3.1.1, EN 62479:2010, EN 62368:2014
USA	FCC	
Canada	IC	
Singapore	IMDA	

Installation/configuration notes

Installation

The coordinator is for indoor and outdoor use. The coordinator mounts in one of two different sized enclosures. Connect the receivers to the coordinator using one 3-wire multiplex buses: 2 wires for data (A and B) and 1 wire for GND. Each bus supports 1 built-in receiver of the coordinator and up to 15 external receivers. A Security Escort System supports up to 1024 coordinators or a total of 16384 devices (coordinators and receivers).

Mounting Considerations

You will need a Security Hex Driver to mount the receiver.

- **Indoor Enclosure:** Mount on inside walls.
- **Outdoor Enclosure:** Mount on the sides of buildings and on light posts.

Compatibility Information

Central Console Software	SE3000 Series
Security Escort receiver	SE-RCV-433
Security Escort transmitter *	SE-TRM-433T01

* Refer to Bosch website for the updated list of supported transmitters.

Parts included

Quantity	Component
1	Security Escort Coordinator
1	Security Escort Coordinator & Receiver Installation Manual
4	2.2 kΩ Axial Lead Resistors

Technical specifications

Transmission

Transmission Frequency:	433.42 MHz
Trouble Output:	Signal sent through the central console
Antenna Type:	Internal
Sensitivity Adjustments:	-100 dB minimum

Electrical

Power Consumption:	2.4 VA (max)
Primary Power Source:	Power over Ethernet (PoE) (PoE standard: IEEE 802.3af-2003 and IEEE 802.3at-2009 Type 1)
Secondary Power Source:	24 VDC in

Environmental

Operating Temperature:	-30°C to +65°C (-22°F to +149°F)
------------------------	-------------------------------------

Hardware

Input:	2 analog inputs (4 state supervised monitoring)
Output:	2 relay outputs (Relay dry contact, 1A @ 30 VDC)
Communication Interface:	Ethernet 10/100 BaseT (central console) RS-485 (receivers)
Housing Tamper:	Normally closed (NC)

Reliability

Mean Time Between Failures (MTBF):	10 years
------------------------------------	----------

Ordering information

SE-COR-433 Coordinator, 433MHz w/o encl.

Controls Security Escort receivers (w/o enclosure). Relays alarm and test signals from the receivers to the central console. Frequency is 433.42 MHz.
Order number **SE-COR-433**

Accessories

AE_100 Indoor enclosure kit

The AE100 Indoor Enclosure is for indoor installations and is vandal resistant.
Order number **AE_100**

AE_101 Outdoor enclosure kit

The AE101 Outdoor Enclosure is for outdoor installations and is weather resistant.
Order number **AE_101**

Represented by:

Europe, Middle East, Africa:
Bosch Security Systems B.V.
P.O. Box 80002
5600 JB Eindhoven, The Netherlands
Phone: + 31 40 2577 284
emea.securitysystems@bosch.com
emea.boschsecurity.com

Germany:
Bosch Sicherheitssysteme GmbH
Robert-Bosch-Ring 5
85630 Grasbrunn
Germany
www.boschsecurity.com

North America:
Bosch Security Systems, Inc.
130 Perinton Parkway
Fairport, New York, 14450, USA
Phone: +1 800 289 0096
Fax: +1 585 223 9180
onlinehelp@us.bosch.com
www.boschsecurity.us

Asia-Pacific:
Robert Bosch (SEA) Pte Ltd, Security Systems
11 Bishan Street 21
Singapore 573943
Phone: +65 6571 2808
Fax: +65 6571 2699
apr.securitysystems@bosch.com
www.boschsecurity.asia