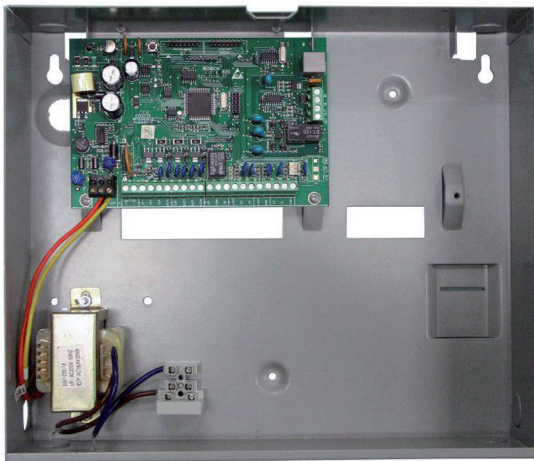


ICP-CC488 Series Control Panels

www.boschsecurity.com



BOSCH
Invented for life



- ▶ Eight programmable user codes and eight radio remote user codes
- ▶ Two areas
- ▶ DTMF telephone remote arming
- ▶ Remote programming
- ▶ Three arming modes

The ICP-CC488 Control Panel provides eight programmable hard-wired or wireless burglary zones. Remote programming provides added convenience and adaptability.

Functions

User codes

Users can program up to eight user codes and eight radio user codes. Only the Master Code holder can add or change other system user codes.

Two areas

The control panel is partitioned into two areas. Operate both areas from one master codepad or from multiple separate area addressable codepads.

Remote programming

Users can program the zones remotely with CC816 Alarm Link (A-Link) software on a PC with MS-DOS and a modem. Users can run diagnostics, arm systems, and bypass zones with an off-site computer. This reduces service visits to a site and provides quick customer service, saving time and money. Remote programming is useful for country locations where a control panel might be located hundreds of kilometers (miles) from an office.

Three arming modes

Users can arm the system using one of three modes:

AWAY Mode: Arms the entire system.

STAY Mode 1: Arms all zones except those programmed by the installer to be automatically isolated.

STAY Mode 2: Arms all zones except those programmed by the Master Code holder to be automatically isolated.

Remote arming

This feature allows the system to be armed from any remote location by telephone. For obvious security reasons, the system cannot be disarmed using this method. A touch-tone telephone is required to use this feature. For this feature to operate, it must be programmed at installation.

Day alarm

Day alarm monitors a group of zones when the system is disarmed. For example, the front door of a shop has a pressure mat or electronic beam that customers activate as they enter or exit. The codepad beeps each time the mat or beam activates.

Duress alarm

A codepad duress alarm can work as a silent hold-up alarm and is useful when the system reports to a monitoring station or pocket pager.

Codepad tamper alarm

Codepad tamper limits the number of times that someone can try to enter the wrong user code. When someone exceeds the limit, the system starts an alarm and sends an Access Denied Report to a security monitoring station.

Built-in telephone line fail monitor

The system registers a telephone line fault when the system detects that the telephone line has been disconnected from the control panel. The system can be programmed to sound if the telephone line is cut when the panel is armed.

Zone lockout

The first zone to send an alarm condition is locked and a siren runs for a specified time. All other zones that send alarm conditions are reset when the sirens reset, but continue to report if another alarm condition occurs. This prevents an intruder from setting off the alarms in all zones, waiting for the sirens to stop, and then entering the site.

Dynamic battery testing

The system automatically performs a battery test every 4 hours and also every time you arm the system. The system registers a low battery fault when the system detects a low capacity back-up battery.

Event memory recall

Events are stored in non-volatile memory. Event memory recall plays the last 40 system events, including all alarms, system arming, and system disarming. If the control panel is partitioned, Event Memory Recall plays the last 10 system events.

Programmable ring burst time

Telephone ring times might be longer or shorter depending on the technology in a system. Different timing can cause control panels to answer calls that should be answered by an answering machine, fax, or a person. Users can program the control panel for the correct ring burst time; adjusting the ring time by 5 ms up to a total of 75 ms, or by 80 ms up to a total of 1200 ms.

AC Fail and System Fault indicators

If a fault occurs, the FAULT or MAINS indicator flashes and the codepad beeps once every minute.

End-Of-Line (EOL) resistor value choice

Users can choose different EOL resistor values when programming the control panel. The selected value applies to all zones at once. Users can add the control panel into an existing system without changing the EOL resistors.

Telco arm/disarm sequence (call forwarding)

This feature is only available if the call-forward option is available from the telecommunications provider. It allows programming of the Call Forward –Immediate On sequence or Call Forward –No Answer sequence that will automatically operate when the system is armed in the AWAY Mode.

Call Forward Modes

- **Immediate On:** Redirects all incoming calls to another number, including mobile phones, pagers, and answering services. The telephone called first does not ring.
- **No Answer:** Redirects all incoming calls to another number when the telephone that was called first is not answered within 20 seconds. Outgoing calls can still be made from the first telephone.

Certifications and approvals

The ICP-CC488 Series Control Panels have been tested to the following standards:

| Region | Standards |
|-------------|---------------------|
| Australia | A-tick |
| New Zealand | Tele-permit PTC-200 |

| Region | Certification |
|--|---|
| Europe | CE EMC Directive 1999/5/EC: Radio and Telecommunications Equipment (R&TTE) TBR 21: 1998 |
| | CE Directive 2006/95/EC Low Voltage Directive (as amended) EN 60950-1:2006 |
| | CE ICP-CC488P and ICP-CC488P-ES: 2004/108/EC EMC Directive, 2006/95/EC Low-voltage Directive, 1999/5/EC Radio Equipment and Telecommunications Equipment (R&TTE) Directive, EN 50130-4:95 & A1:98 & A2:03, EN 55022:06, EN 61000-3-2:06, EN 61000-3-3:95 & A1:01 & A2:05, EN 60950-1:06, TBR21:98 |
| | CE 2004/108/EC Electromagnetic Compatibility (as amended) EN 55022: 2006 ClassB; EN 55024: 1998+A1:2001+A2: 2003 |
| CE 2004/108/EC Electromagnetic Compatibility (as amended) EN 50130-4: 1995 +A1: 1998 +A2: 2003; EN 61000-3-2: 2006; EN 61000-3-3: 1995 +A1: 2001 +A2: 2005 | |
| China | CCC -CHI: 20090319002000554 |
| Brazil | ANATEL 2111-09-1855 |

Installation/configuration notes**Compatibility Information
RF Receivers**

RF3212 RF Receiver (304 MHz)
RF3212E RF Receiver (433.42 MHz)
RF3212-CHI RF Receiver for China

RF Transmitters (304 MHz)

RF280THS Wireless Smoke Detector
 RF835 Wireless TriTech (PIR/Microwave) Detector
 RF920 Wireless PIR Sensor
 RF1100 Glassbreak Transmitter
 RF3332 Two-Button Wireless Key Fob
 RF3334 Four-Button Wireless Key Fob
 RF3401 Point Transmitter
 RF3402 Recessed Door/Window Transmitter
 RF3502 Two-button Pendant Panic Transmitter

RF Transmitters (433.32 MHz)

RF280ETHS Wireless Smoke Detector
 RF835E Wireless TriTech (PIR/Microwave) Detector
 RF835E-C Wireless Dual Detector
 RF940E Wireless PIR Detector
 RF1100E Glassbreak Transmitter
 RF3332E Two-Button Wireless Key Fob
 RF3334E Four-Button Wireless Key Fob
 RF3401E Point Transmitter
 RF3402E Recessed Wireless Magnetic Contact
 RF3405E Wireless (RF) Inertia Transmitter
 RF3406E Inertia Transmitter (Eurogroove2)
 RF3501LE One-button Pendant Panic Transmitter

RF Transmitters for China

RF835-CHI Wireless TriTech (PIR/Microwave) Detector
 RF920-CHI Wireless PIR Sensor
 RF3332-CHI Two-Button Wireless Key Fob
 RF3334-CHI Four-Button Wireless Key Fob
 RF3401-CHI Point Transmitter

Codepads

CP105A Night Arm Station
 CP500AW LED Area Addressable
 CP500ALW LCD Area Addressable
 CP500PW LED Partitionable
 CP508LW LCD Icon
 CP508W LED
 CP516LW LCD Icon
 CP516W LED

Modules

MO144 Universal Timer Module

Technical specifications**Electrical**

| Current Draw | |
|------------------------|---|
| In alarm: | 115 mA |
| In alarm with codepad: | 105 mA |
| In standby: | 65 mA |
| Power | |
| Primary: | 240 VAC, 18 VAC at 1.3 A from a TFO08 Plug Pack |
| Secondary: | 12 VDC, 6.5 Ah from a rechargeable sealed lead/acid battery |

Environmental

| | |
|--------------------------|--------------------------------|
| Relative Humidity: | 10% to 95% non-condensing |
| Temperature (Operating): | 0°C to +45°C (+32°F to +113°F) |

Mechanical

| | |
|--------------------------------|---|
| Dimensions (packed in carton): | 306 mm x 262 mm x 84 mm (12.1 in. x 10.3 in. x 3.3 in.) |
| Weight: | 2.5 kg (5.5 lb) |

Trademarks

Due to the nature of this material, this document refers to hardware and software products by their trade names. In most, if not all cases, these designations are claimed as trademarks or registered trademarks by their respective companies in one or more countries. It is not this publisher's intent to use any of these names generically. The reader is therefore cautioned to investigate all claimed trademarks rights before using any of these names other than to refer to the product described.

MS-DOS is a registered trademark of Microsoft Corporation in the United States and/or other countries.

Ordering information**ICP-CC488-CHI Eight-zone Solution Series Control Panel with Enclosure and 230 V Transformer for China**

Order number **ICP-CC488-CHI**

ICP-CC488-APR Eight-zone Solution Series Control Panel with Enclosure and 230 V Transformer

Order number **ICP-CC488-APR**

ICP-CC488P Eight-zone Solution Series Control Panel (v2)

Order number **ICP-CC488P**

ICP-CC488P-ES Eight-zone Solution Series Control Panel with Spanish Literature

Order number **ICP-CC488P-ES**

ICP-CC488P-K Kit

Kit containing an ICP-CC488P Control Panel with an ICP-CP508LW Codepad, an RF3212E RF Receiver (433.42 MHz), an RF940E Wireless PIR Detector, an RF3401E Point Transmitter, and an EDM Enclosure Kit
 Order number **ICP-CC488P-K**

ICP-488P-ES-K Kit

Kit containing an ICP-CC488P-ES Control Panel with an ICP-CP508LW Codepad, an RF3212E RF Receiver (433.42 MHz), an RF940E Wireless PIR Detector, and an EDM Enclosure Kit
 Order number **ICP-488P-ES-K**

Accessories**CC891 Programming Key**

Uploads and downloads program settings for Solution 16, Solution 862, Solution 880, and Ultima Control Panels.

Order number **CC891**

CP105A Night Arm Station

Provides one button for arming, and two buttons for panic alarm (off-white)

Order number **CP105A**

ICP-CP500ALW Area Addressable LCD Codepad

Eight-zone LCD codepad with easy to recognize system-condition icons and numerically- indicated zone status

Order number **ICP-CP500ALW**

ICP-CP500AW Area-Addressable LED Codepad

Eight-zone LED codepad with easy-to-read system condition text and numerically- indicated zone status

Order number **ICP-CP500AW**

ICP-CP500PW Master-Partitioned LED Codepad

Master partitioned codepad with eight zone-status indicators

Order number **ICP-CP500PW**

ICP-CP508LW LCD Icon Codepad

Eight-zone LCD codepad with easy to recognize system-condition icons and numerically- indicated zone status

Order number **ICP-CP508LW**

ICP-CP508W LED Codepad

Eight-zone LED codepad with easy-to-read system condition text and numerically- indicated zone status

Order number **ICP-CP508W**

ICP-CP516LW LCD Icon Codepad

16-zone LCD codepad with easy to recognize system-condition icons and numerically- indicated zone status

Order number **ICP-CP516LW**

ICP-CP516W LED Codepad

16-zone LED codepad with easy-to-read system condition text and numerically- indicated zone status

Order number **ICP-CP516W**

MO144 Universal Timer Module

Provides programmable outputs that can be pulsed, toggled, or solid state for pre-set times.

Order number **MO144**

TF008 Plug-in Transformer

For use in Australia and New Zealand. 240 VAC primary voltage input. 18 VAC, 1.3 A secondary input. Includes thermal fuses and a three-wire flying lead with earth connection.

Order number **TF008**

CC808 Direct Link Cable

Cable to connect CC816 Alarm Link Software (A-Link) to Solution 862, Solution 880 Ultima, and Solution 16 Control Panels.

Order number **CC808**

Software Options**CC816 Alarm Link Software**

Creates an interface between a compatible PC and compatible Solution 16, 880, and Ultima 880 Control Panels. Programs control panels remotely through a modem or directly from the PC using the Direct Link cable.

Order number **CC816**

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