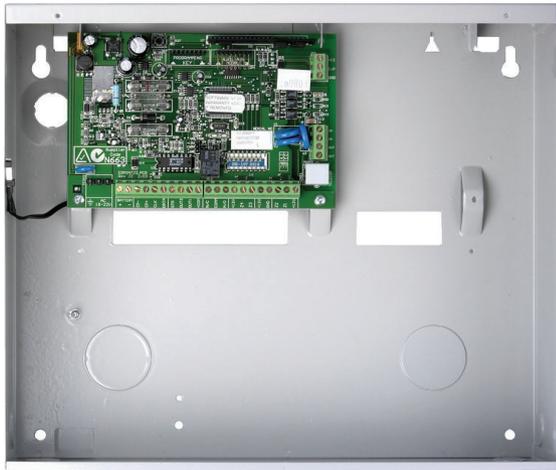




# CC488 Solution Ultima 880 Control Panel



The CC488 Solution Ultima 880 Control Panel provides eight programmable hard-wired or wireless burglary zones. Remote programming provides added convenience and adaptability.

## Functions

### **Eight Programmable User Codes and Eight Radio Remote 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.

- ▶ **Eight programmable user codes and eight radio remote user codes**
- ▶ **Two areas**
- ▶ **DTMF telephone remote arming**
- ▶ **Remote programming**
- ▶ **Three arming modes**
- ▶ **Day alarm, duress alarm, and codepad tamper alarm**
- ▶ **Built-in telephone line fault monitor**
- ▶ **Zone lockout**
- ▶ **Automatic battery testing**
- ▶ **Event memory recall**

### **Three Arming Modes**

Users can arm the system using one of three modes:

**AWAY Mode:** Arms the entire system.

**STAY Mode 1:** Arms most zones. Does not arm zones programmed as isolated (installer).

**STAY Mode 2:** Arms most zones. Does not arm zones programmed as isolated (Master Code holder).

### **Dual-tone Multi-frequency (DTMF) Telephone Remote Arming**

Users can arm the system from any remote location using a DTMF telephone. Once a communication link is established between a DTMF telephone and the system, users can operate the system using the telephone in the same way as a codepad.

### **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 turn on as they enter or exit. The codepad beeps each time the mat or beam turns on.

### **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 a report to a security monitoring station.

### Choice of End-Of-Line (EOL) Resistor Value

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.

### Built-in Telephone Line Fault Monitor

When the system detects a telephone line failure, it creates a telephone line fault. Users can program the system to sound an alarm if the telephone line is cut while the control 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.

### Automatic Battery Testing

The system performs a battery test each time a user arms the system, and automatically every four hours. When the system detects a low capacity back-up battery, it creates a low battery fault.

### Event Memory Recall

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. Adjust the ring time from 0 ms to 1200 ms in 5 ms increments.

### Call Forwarding

The telecommunications provider must offer a call forwarding option. Users can program call forwarding modes to 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

Region	Certification
Europe	CE
A-Tick Supplier Code	N663
New Zealand Telepermit	PTC 211/98/083

## Installation/Configuration Notes

### Compatibility Information

<b>RF Receivers</b>	<b>RE005E RF Receiver with Outputs</b>
<b>RF Transmitters</b>	RE012E Two-channel Hand-held Transmitter RE013E Four-channel Hand-held Transmitter
<b>Codepads</b>	<ul style="list-style-type: none"> <li>• CP105A Night Arm Station</li> <li>• CP500AW LED Area Addressable</li> <li>• CP500ALW LCD Area Addressable</li> <li>• CP500PW LED Partitionable</li> <li>• CP516LW LCD</li> <li>• CP516W LED</li> </ul>
<b>Modules</b>	MO144 Universal Timer Module

## Technical Specifications

### Enclosure

Dimensions:	30.6 cm x 26.2 cm x 8.4 cm (12 in x 10.3 in x 3.3 in) Packed in carton
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Weight:	2.5 kg (5.5 lb)
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### Environmental Considerations

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

### Power Requirements

Current Draw (Standby):	65 mA
Current Draw (Alarm):	115 mA
Current Draw (with Codepad):	105 mA
Primary:	240 VAC, 18 VAC at 1.3 A from a TF008 Plug Pack
Secondary:	12 VDC, 6 Ah from a rechargeable sealed lead/acid battery

### Trademarks

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

### Ordering Information

<b>CC488P Solution Ultima 880 Control Panel</b>	<b>CC488P</b>
Includes assembled printed circuit board (PCB), power connector, EOL resistors, terminals, and battery leads.	
<b>CC488 Solution Ultima 880 Control Panel (110 VAC)</b>	<b>CC488-APR110</b>
Includes printed control board (PCB), metal enclosure, and 110 VAC transformer.	
<b>CC488 Solution Ultima 880 Control Panel (230 VAC)</b>	<b>CC488-APR230</b>
Includes printed control board (PCB), metal enclosure, and 230 VAC transformer.	
<b>Accessories</b>	
<b>CC808 Direct Link Cable</b>	<b>CC808</b>
Cable to connect CC816 Alarm Link Software (A-Link) to Solution 862, Solution 880 Ultima, and Solution 16 Control Panels.	
<b>CC811S Modem Module</b>	<b>CC811S</b>
Modem module for Solution 862, 880, and Ultima Control Panels for SMS reporting.	
<b>CC891 Programming Key</b>	<b>CC891</b>
Uploads and downloads program settings for Solution 16, Solution 862, Solution 880, and Ultima Control Panels.	
<b>Enclosure with Transformer (220 VAC)</b>	<b>EDM-ENCL-KIT</b>
Metal enclosure with 220 VAC transformer, fuse and terminal block, front and rear tamper switch, and key lock on door.	
<b>TF008 Plug-in Transformer</b>	<b>TF008</b>
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.	
<b>Software Options</b>	
<b>CC816 Alarm Link Software</b>	<b>CC816</b>
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.	

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