BOSCH

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CC880 Solution 16 Control Panel

- ▸ 16 zones
- ▸ 32 programmable codes
- ▸ Four areas
- ▸ Remote programming
- ▸ DTMF telephone remote arming (optional)
- ▸ Three arming modes
- ▸ Day alarm, duress alarm, and codepad tamper alarm
- ▸ Telephone line fault monitor (optional)
- ▸ Automatic battery testing
- ▸ Event memory recall

The CC880 Solution 16 Control Panel is part of an electronic surveillance system suitable for home or business needs. The control panel supports 16 zones. Eight zones use programmable end-of-line (EOL) resistor values. Add an eight-zone expansion board or use zone doubling to achieve 16 zones.

Functions

Functions for All Models

32 Programmable User Codes

The control panel system supports 32 personal identification number (PIN) user codes. Each PIN can have up to seven digits. Any number of users can be assigned a master PIN. Master PIN users can program other PINs and perform general system configuring. All other user PINS are assigned to one of five authority levels.

Four Areas

The control panel is partitioned into four areas. One master codepad or multiple separate area addressable codepads can operate each area.

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 invaluable for country locations where a control panel might be located hundreds of kilometers (miles) from an office.

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

The optional CC886 Telephone DTMF Command Module allows a DTMF telephone to arm the system from any remote location. 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.

Three Arming Modes

Users arm the system in 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).

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.

Telephone Line Fault Monitor Option

The optional CC887 Telephone Line Fault Module creates a telephone line fault when a telephone line fails. Users can program the system to sound an alarm if the telephone line is cut while the control panel is armed.

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.

End-Of-Line (EOL) Resistor Value Choice

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

For 16 zones, use zone doubling or add an eight zone expansion board. With zone doubling, zones one to eight are 3 K3, and zones nine to 16 are 6 K8. The CC883 Eight Zone Expansion Board supports adjustable EOL resistor values.

Functions for CC880 Models

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.

Functions for CC880PSP Models

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 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.

Certifications and Approvals

A-Tick Supplier Code	N663
New Zealand Telepermit	PTC 211/95/246

Installation/Configuration Notes

Compatibility Information

RF Receivers	RE005E RF Receiver with Outputs
RF Transmitters	RE012E Two-channel Hand-held Transmitter
	RE013E Four-channel Hand-held Transmitter
Codepads	• CP105A Night Arm Station
	• CP500AW LED Area Addressable
	• CP500ALW LCD Area Addressable
	• CP500PW LED Partitionable
	• CP516LW LCD
	• CP516W LED
Modules	MO144 Universal Timer Module

Technical Specifications

Enclosure

Dimensions (case, packed in carton):	30.6 cm x 26.2 cm x 8.4 cm (12 in. x 10.3 in. x 3.3 in.)
Weight:	2.5 kg (5.5 lb)

Environmental Considerations

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

Power Requirements

Current Draw (Stand-By):	65 mA
Current Draw (Alarm):	115 mA
Current Draw (with Codepad):	105 mA
Primary:	240 VAC to 18 VAC at 1.3 A from a TF008 Plug Pack
Secondary:	12 VDC, 7 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

CC880 Solution 16 Control Panel (110 VAC) Includes assembled printed circuit board, metal enclosure with tamper, 110 VAC transformer, literature, spare fuses, battery leads, EOL resistors, and power connector.	CC880-APR110
CC880 Solution 16 Control Panel (230 VAC) Includes assembled printed circuit board, metal enclosure with 230 VAC transformer, literature, spare fuses, battery leads, EOL resistors, and power connector.	CC880-APR230
CC880P Solution 16 Control Panel Includes assembled printed circuit board (PCB), power connector, EOL resistors, terminals, battery leads, and spare fuses.	CC880P
CC880PSP Solution 16 Control Panel Includes assembled printed circuit board (PCB), power connector, EOL resistors, terminals, battery leads, and spare fuses. Has a programmable ring burst time option.	CC880PSP
CC880 Solution 16 Control Panel Appropriate for use in China.	CC880-CHI

Hardware Accessories

CS800 EDMSTU Allows reporting through a Securitel line. Compatible with Solution 16 Control Panels.	CS800

Ordering Information

CC808 Direct Link Cable Cable to connect CC816 Alarm Link Software (A-Link) to Solution 862, Solution 880 Ultima, and Solution 16 Control Panels.	CC808
CC811S Modem Module Modem module for Solution 862, 880, and Ultima Control Panels for SMS reporting.	CC811S
CC883 Eight Zone Expansion Board Works with Solution 16 Control Panels. Has adjustable EOL resistor values. Plugs on the control panel, providing space for wiring.	CC883
CC885 Eight Zone Expansion Board Works with Solution 16 Control Panels. Has fixed 3 K3 EOL resistor values. Plugs on the control panel, providing extra space for wiring.	CC885
CC886 Telephone DTMF Command Module Works with Solution 16 Control Panels. Allows a touch-tone telephone to arm and disarm.	CC886
CC887 Telephone Line Fault Module Works with Solution 16 Control Panels. Monitors the telephone line connection and activates an alarm if the line fails or disconnects.	CC887
CC888 Programmable Voice Control Module Works with the Solution 16 Control Panel. Plays a 16 second recording as an alarm message.	CC888
CC891 Programming Key Uploads and downloads program settings for Solution 16, Solution 862, Solution 880, and Ultima Control Panels.	CC891
Enclosure with Tamper Enclosure with door tamper.	DS-ENCL406BT
Enclosure with Transformer (230 VAC) Enclosure with 230 VAC transformer, fuse and terminal block, front and rear tamper switch, and key lock on door.	EDM-ENCL406NL
D126 Standby Battery (12 V, 7 Ah) Sealed lead-acid standby and auxiliary rechargeable power supply.	D126
TF008 Plug-in Transformer For Australia and New Zealand. 18 VAC transformer that includes thermal fuses and a three-wire flying lead with earth connection.	TF008

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.	CC816