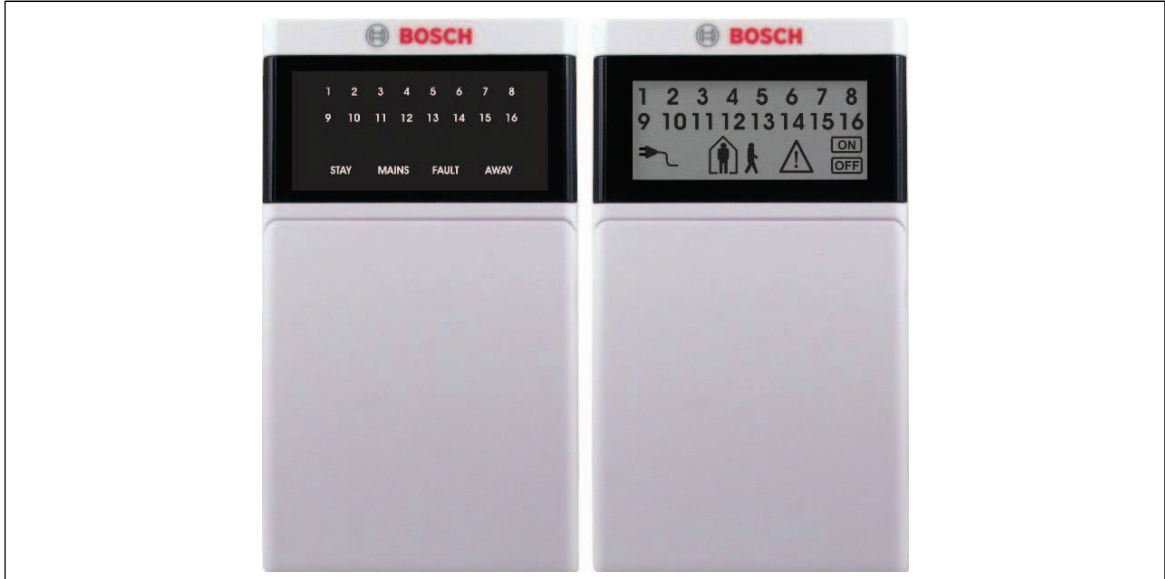


# ICP-CP516



EN | User's Guide  
ICP-CP516 Codepads



**BOSCH**

## 1.0 ICP-CP516 Series Codepads Overview

The codepad is the communications interface between you and your alarm system. Use the codepad to issue commands. The codepad offers both visual and audible indications that guide you through the general operation.

The codepad incorporates numerous indicators. There are zone indicators that show the condition of each zone and four other indicators for general status. The following pages outline a list of situations and the relevant indicators that appear.

### 1.1 Codepad Diagrams

Figure 1: ICP-CP516W LED Codepad Display

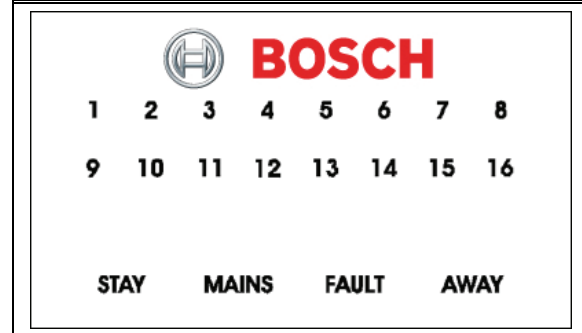


Figure 2: ICP-CP516LW LCD Codepad Display

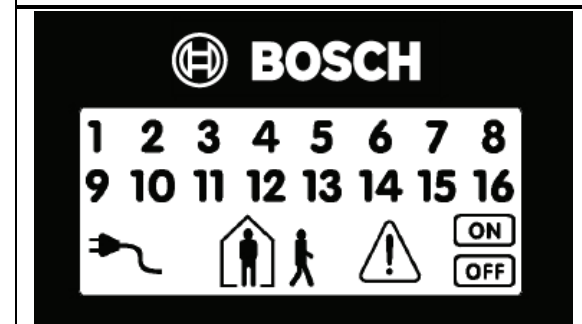
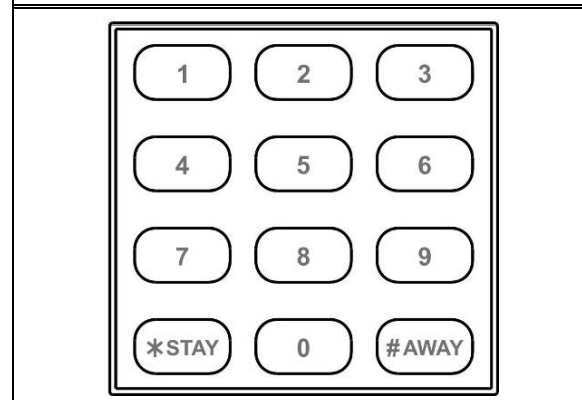


Figure 3: Codepad Buttons



## 2.0 ICP-CP516W LED Codepad Indicators

Refer to *Figure 1* on page 2.

### 2.1 Zone Indicators

The zone indicators (1 to 16) show the status of each zone as defined in *Table 1*. The zones belong to the area with the lit Area Display indicator.

**Table 1: Zone Indicators**

Zone Indicator	Definition
On	Zone is unsealed.
Off	Zone is sealed.
Flashing Fast (0.25 sec on/ 0.25 sec off)	Zone is in alarm condition.
Flashing Slow (1 sec on/ 1 sec off)	Zone is manually isolated or selected to be isolated.

### 2.2 STAY Indicator

The STAY indicator lights when the system is armed in STAY Mode 1 or STAY Mode 2. The STAY indicator flashes with the AWAY indicator when you are in Installer's Programming Mode or you are using a Master Code function.

**Table 2: STAY Indicator**

Indicator	Definition
On	The system is armed in STAY Mode 1 or STAY Mode 2.
Off	The system is not armed in STAY Mode 1 or STAY Mode 2.
Flashing	Zone isolating mode or setting STAY Mode 2 zones.
Flashing once every 3 sec	Day Alarm status on/off indicator.

### 2.3 MAINS Indicator

The MAINS indicator displays whether the system's AC MAINS supply is normal or failed.

**Table 3: MAINS Indicator**

Indicator	Definition
On	The AC MAINS power is normal.
Flashing	The AC MAINS supply failed.

When programming in Installer's Programming Mode or using a Master Code function, the MAINS indicator lights to indicate a location value from 10 to 15. The MAINS indicator represents the tens digit, which is added to the value of the lit zone indicator (for example, if the value programmed in a location is 12, the MAINS and Zone 2 indicators light).

### 2.4 FAULT indicator

The FAULT indicator lights when the system detects a system fault as defined in *Table 4*.

**Table 4: FAULT indicator**

Indicator	Definition
On	A system fault must be corrected.
Off	The system is normal (no faults).
Flashing	A system fault must be acknowledged.

Each time a new system fault is detected (the FAULT indicator flashes), the codepad beeps once per min.

Press [AWAY] to stop the beeping and to acknowledge the fault.

### 2.5 AWAY Indicator

#### AWAY Indicator

The AWAY indicator lights when the system is armed in AWAY Mode. The AWAY indicator flashes with the STAY indicator when you are in Installer's Programming Mode or you are using a Master Code function.

**Table 5: AWAY Indicator**

Indicator	Definition
On	The system is armed in AWAY Mode.
Off	The system is not armed in AWAY Mode.

## 2.6 Audible Indicators

The codepad provides a number of audible indications as defined in *Table 6*.

Audible Indicator	Definition
One short beep	A button was pressed on the codepad, or Exit Time ended when arming in STAY Mode 1 or STAY Mode 2.
Two short beeps	The system accepted your code.
Three short beeps	The system executed the requested function.
One long beep	Exit Time ended when arming in AWAY Mode, or the requested operation was denied or aborted.
One short beep every sec	Walk Test Mode is currently active, or warning before automatic arming takes place.
One short beep every 2 sec	Telephone Monitor Mode is active.
One short beep every min	There is a system fault to be acknowledged.

## 3.0 ICP-CP516LW LCD Codepad Indicators

Refer to *Figure 2* on page 2.

### 3.1 Zone Indicators

**1 2 3 ....** The zone indicators (1 to 16) display the status of the zones. *Table 1* lists the various situations that the indicators show.

Zone Indicator	Definition
On	Zone is unsealed.
Off	Zone is sealed.
Flashing Fast (0.25 sec on/ 0.25 sec off)	Zone is in alarm condition.
Flashing Slow (1 sec on/ 1 sec off)	Zone is manually isolated or selected to be isolated.

### 3.2 AWAY Indicator



The AWAY indicator appears when the system is armed in AWAY Mode. The AWAY indicator also flashes in unison with the STAY indicator when programming various options throughout this user's guide.

**Table 2: AWAY Indicator**

AWAY Indicator	Definition
On	System is armed in AWAY Mode.
Off	System is not armed in AWAY Mode.

### 3.3 STAY Indicator



The STAY indicator appears when the system is armed in STAY Mode 1 or STAY Mode 2. The STAY indicator also flashes in unison with the AWAY indicator when programming various options throughout this user's guide.

**Table 3: STAY Indicator**

STAY Indicator	Definition
On	System is armed in STAY Mode 1 or STAY Mode 2.
Off	System is not armed in STAY Mode 1 or STAY Mode 2.
Flashing twice a sec	Zone Isolating Mode or setting STAY Mode 2 zones.
Flashing once every 3 sec	Day alarm status – day alarm turned on.

### 3.4 System Disarmed



This indicator appears with the **OFF** indicator when the system is disarmed.

### 3.5 MAINS Indicator



The MAINS indicator appears when the system's AC MAINS supply is normal or failed.

**Table 4: MAINS Indicator**

MAINS Indicator	Definition
On	AC MAINS power normal.
Flashing	AC MAINS supply failed.

### 3.6 Off Indicator/Zone Sealed



The **OFF** indicator appears when the system is disarmed and flashes when a zone becomes unsealed when disarmed. The indicator stops flashing when all zones are sealed.

### 3.7 On Indicator/Zone In Alarm



The **ON** indicator appears when the system is armed and flashes when an alarm occurs. The indicator resets after a valid User Code is entered.

## 4.0 Arming and Disarming

### 4.1 Arming in AWAY Mode

When you leave your premises and require all zones to be in a ready state to detect intrusion, you arm the system in AWAY Mode. When returning to your premises, disarm your system so that you do not sound a false alarm.

There are two different methods for arming the system in AWAY Mode. Method one is standard and always operates. Method two is optional and may be disabled by your installer if you do not want to use single button arming.

#### Arming in AWAY Mode, Method 1

Enter your user code followed by the [#] key (for example, [2 5 8 0 #]). Two beeps sound and the AWAY indicator displays. Exit time starts counting.

#### Arming in AWAY Mode, Method 2

Hold down the [#] key until two beeps sound. The AWAY indicator appears and exit time starts counting.

### 4.2 Disarming from AWAY Mode

Enter your user code followed by the [#] key (for example, [2 5 8 0 #]). Two beeps sound.

### 4.3 Arming in STAY Mode

STAY Mode 1 is used when you need to arm the perimeter and unused areas of the premises to detect a would-be intruder entering the premises, while at the same time being able to move freely within an area that is automatically isolated.

STAY Mode 2 is used when you need to arm the perimeter and unused areas of the premises to detect a would-be intruder from entering the premises, while at the same time being able to move freely within an area that is automatically isolated.

#### Arming in STAY Mode 1

Press and hold [STAY]. When two beeps sound, release the button. The STAY indicator lights and Exit Time starts.

#### Arming in STAY Mode 2

Press and hold [0]. When two beeps sound, release the button. The STAY indicator lights and the Exit Time starts.

### 4.4 Disarming from STAY Modes 1 and 2

Enter your code and press [STAY]. Two beeps sound and the STAY indicator extinguishes. The system is now disarmed.

## 5.0 User Codes

### 5.1 Adding a User Code

1. Enter your four-character Master Code, followed by [1] and [#] (for example, [2 5 8 0 1 #]). Three beeps sound and the STAY and AWAY indicators flash.
2. Enter the user code number (1 to 8) followed by the [#] key (for example, [2 #] = User 2, [8 #] = User 8). Two beeps sound and the selected user number appears on the codepad indicators.
3. Enter the digits required for the new code followed by the [#] key (for example, for user code 5768, enter [5 7 6 8 #]). Two beeps sound and the STAY and AWAY indicators turn dark.

To add or change other user codes, repeat this procedure as many times as required.

### 5.2 Deleting a User Code

Enter your four-character Master Code, followed by the [1] and [#] keys (for example, [2 5 8 0 1 #]). Three beeps sound and the STAY and AWAY indicators flash.

Enter the user code number (User Code 1 to 8, Radio User Code 9 to 16), followed by the [#] key (for example, [2 #] = User 2, [1 6 #] = User 16). Two beeps sound and the selected user number appears on the codepad indicators.

Press the [\*] key to delete the selected user code. Two beeps sound and the STAY and AWAY indicators turn dark. To delete other user codes, repeat this procedure as many times as required.

## 6.0 Isolating Zones

Isolating zones allow you to manually disable one or more zones before arming the system. Once a zone is isolated, you can access that zone during the armed state without activating an alarm.

For example, you might need to isolate a zone because before arming the system a PIR detector might generate a false alarm, or you need to leave a pet inside a particular zone while away.

Isolating zones is performed by one of two methods. Method two is optional and allows only those user codes programmed by your installer access to isolate zones.

## 6.1 Standard Isolating: Method 1

Standard Isolating allows all users to isolate zones without knowing a valid user code.

1. Press the [\*] key twice to enter Isolating Mode. Three beeps sound and the STAY indicator flashes.
2. Enter the zone number (1 to 8), followed by the [\*] key (for example, [1 \*] = Zone 1, [2 \*] = Zone 2).  
Each zone to isolate has a corresponding zone indicator that flashes.
3. If you select an incorrect zone to isolate, enter the incorrect zone number again followed by the [\*] key.
4. Repeat *Step 2* if you are isolating more than one zone, until all zones to isolate are selected.
5. Press the [#] key after all selected zones are isolated.

Two beeps sound and the system returns to the disarmed state.

## 6.2 Code-based Isolating: Method 2

Code-based isolating requires a valid user code to isolate a zone.

1. Press the [\*] key once.
2. Enter your user code and press [\*].
3. Enter the zone number that you want isolated, followed by the [\*] key.
4. Repeat *Step 2* if more than one zone is required to be isolated.
5. Press the [#] key after all selected zones are isolated.

## 7.0 Panic Alarms

An audible alarm activates when the [1] and [3] keys or the [\*] and [#] keys are pressed simultaneously. Contact your installer to disable the ability to activate the codepad panic alarm or to silence the codepad panic alarm.

## 8.0 Fire Alarms

An audible codepad Fire Alarm activates when you press [4] and [6] on the remote codepad simultaneously. A distinct fire sound emits through the horn speaker to indicate this type of alarm. Contact your installer to disable the ability to activate the codepad panic alarm or to silence the codepad fire alarm.

## 9.0 Medical Alarms

An audible codepad Medical Alarm activates when you press [7] and [9] simultaneously. Contact your installer to disable the ability to activate the codepad panic alarm or to silence the codepad medical alarm.

## 10.0 Initiating Entry Warning

Hold down the [1] key for 2 sec. The codepad will start beeping to indicate the entry warning timer has started. At the end of the entry warning delay time (15 sec), Zone 1 will go into alarm and the internal sounder will emit a siren sound.

Entering a valid user code during entry warning time disarms the system.

## 11.0 Changing the Codepad Buzzer Tone

Hold down the [8] key on the codepad. The tone of the buzzer will start to increase in pitch. Release the [8] button when the desired tone is reached.

## 12.0 Specifications

**Table 5: Specifications**

<b>Temperature Range</b>	0°C to +50 °C (+32°F to +122°F)
<b>Humidity</b>	20% to 90% (non-condensing)
<b>Operating Voltage</b>	11 VDC to 14VDC
<b>Current Draw</b>	50 mA (max)
<b>RF Immunity (RFI)</b>	Complies with AS/NZS3548

## Notes

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