# DS6MX Series Six-zone Control Panels

www.boschsecurity.com

BOSCH
Invented for life

- Six zones and a separate key-switch input
- Four user codes, a duress code, and an unlock door code
- Quick Arm function
- Supports up to six wireless RF detectors/sensors
- Built-in piezo buzzer

The DS6MX is a compact six-zone keypad and control panel in one package. It can be used as a stand-alone alarm system or connected to a DS7400Xi Control Panel for integrating individual apartment housing units into a large building monitoring system.

**Notice**
Use with DS7400Xi requires DS7400Xi-CHI with ROM version 4.05 or later.

The DS6MX has six alarm input zones, one alarm relay output, two solid state outputs and a key-switch input. One master code, three user PIN codes, one duress code and one door unlock code are available on the unit.
The DS6MX also supports the use of RF3332, RF3332E, RF3334, and RF3334E wireless key fobs for arming and disarming the panel (requires the use of a RF3212 or RF3212E receiver).

## Functions

**6 Zones and a Separate Key-Switch Input**
All six zones can be programmed to be Instant, Delay, 24-hr or Follower. In addition, Zone 6 can be programmed to a Request-to-exit (REX) function for unlocking a door with its input connected to a momentary push button or to a REX sensor such as the DS150i. This input then activates an output to either the relay output or Solid-state Output #2 to unlock the door for a preset time.
The key-switch input can be programmed to respond to either a momentarily or continuously closed key switch. When used in combination with the hardwired Instant Input mode, this allows instant arming/disarming of the system by simply turning a key.

**4 User Codes, a Duress Code, and an Unlock Door Code**
One master code is preprogrammed for programming or arming/disarming the system. Three user codes can be programmed for arming/disarming the system. One duress code is preprogrammed to disarm the DS6MX and send a silent alarm to the DS7400Xi panel. One unlock code is provided to allow the user to unlock a door.

**Quick Arm Function**
Programmed at time of installation, this feature allows single button arming without the need for a user code by holding the ON button down for 3 seconds.

**RF Detectors/Sensors**
The DS6MX can support one RF3212 or RF3212E receiver. The receiver can be remotely mounted up to 20 m (65 ft.) from the DS6MX. The wireless interface will allow up to six RF sensor/devices (PIR, PIR/microwave, door contacts, and smoke detectors) to be connected to the system and assigned to a zone function type.

**Built-in Piezo Buzzer**
The piezo buzzer (with a frequency of 3300 Hz) provides a keypad entry sound (beep sound), exit/entry sound (beep for length of programmed time), alarm sound (constant tone), panic sound (beep will repeat every 2.5 seconds), and trouble sound (beep once a second).

**Built-in Tamper Switch**
The built-in tamper will notify the control panel if the enclosure cover is removed or if the unit is removed from the mounting wall if the enclosure is mounted per the installation instructions.

**Fire Reset Function**
Resets smoke detectors for 4 seconds after an alarm with Solid-state Output #2.

## Installation/configuration notes

**Use on DS7400Xi Multiplex Bus**
When connected to a DS7430 MUX Module on the DS7400Xi panel's multiplex bus the maximum number of DS6MX panels is 60.
When connected to a DS7436 MUX Module on the DS7400Xi panel's multiplex bus the maximum number of DS6MX panels is 120 (60 per bus).

**Power Requirements**
DS6MX devices require a 12 VDC power supply and cannot be powered from the DS7400Xi panel. If more than one power supply is used, the negative (-) terminals of the power supplies must be connected together.

**Notice**
Auxiliary 12 VDC power supply(s) must not be connected to the DS7430 or DS7436 MUX Modules because damage to the equipment may occur.

The current draw on the power supply(s) depends on the number of DS6MX panels, the number outputs, and the type of outputs. To calculate the current required for the 12 VDC power supply(s), use the following formula:
(Number of DS6MX Panels X 100 mA) + (Number of PO1 outputs used X 250 mA) + (Number of PO2 outputs used X 250 mA) = Total mA.
**Example:** You have six DS6MX Panels. Three will use both the PO1 and PO2 outputs. Three will use the PO1 output only.
(6 X 100 mA) + (6 X 250 mA) + (3 X 250 mA) = 2850 mA = 2.85 A.

In this example you should use a 3 A power supply.

## Technical specifications

### Enclosure Design

| | |
|---|---|
| Color: | Frost white |
| Indicators: | 6 zone LEDS, 2 status LEDs |
| Material: | 2-piece ABS molded plastic with Lexan® graphics |
| Dimensions: | 11.8 cm x 12.4 cm x 3 cm (4.7 in. x 4.9 in. x 1.2 in.) |
| Weight: | 0.5 kg (1 lb.) |

### Environmental Considerations

| | |
|---|---|
| Relative Humidity: | 0% to 85% non-condensing |
| Temperature (Operating): | -20°C to +50°C (-4°F to +122°F) |

### Outputs

| | |
|---|---|
| Alarm Relay: | Form C contacts rated at 3 A at 28 VDC or 120 VAC |
| Solid-State: | 2 DC current sinks; 250 mA maximum per output at 0.1 VDC saturation. |

### Power Requirements

| | |
|---|---|
| Current Draw: | 30 mA standby, 70 mA alarm; 100 mA max (using programmable outputs adds up to an additional 500 mA). |
| Voltage (Input): | 8.5 VDC to 15 VDC |

### Zone Characteristics

| | |
|---|---|
| EOL Resistors: | 10 kΩ |
| Response Time: | 500 ms |

### Trademarks

Lexan® is either a trademark or registered trademark of General Electric Company in the United States and other countries.

## Ordering information

**DS6MX Control Panel**
Provides six zones and a separate key-switch input. The keypad text is in English.
Order number **DS6MX**

**DS6MX-CHI Control Panel**
Provides six zones and a separate key-switch input. The keypad text is in Chinese.
Order number **DS6MX-CHI**

**Represented by:**

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

**Europe, Middle East, Africa:**
Bosch Security Systems B.V.
P.O. Box 80002
5617 BA Eindhoven, The Netherlands
Phone: + 31 40 2577 284
Fax: +31 40 2577 330
emea.securitysystems@bosch.com
www.boschsecurity.com

**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

**China:**
Bosch (Shanghai) Security Systems Ltd.
201 Building, No. 333 Fuquan Road North IBP
Changning District, Shanghai
200335 China
Phone +86 21 22181111
Fax: +86 21 22182398
www.boschsecurity.com.cn

**America Latina:**
Robert Bosch Ltda Security Systems Division
Via Anhanguera, Km 98
CEP 13065-900
Campinas, Sao Paulo, Brazil
Phone: +55 19 2103 2860
Fax: +55 19 2103 2862
latam.boschsecurity@bosch.com
www.boschsecurity.com

© Bosch Security Systems 2013 | Data subject to change without notice
2511766027 | en, V1, 01. Oct 2013