

DSM-300 Series 3-Zone Mini Control Panels

The DSM-300 is a 3-Zone mini panel which can be installed as a stand-alone device or connected to the DS7400Xi Control/Communicator's Multiplex Bus for integrating individual apartment housing units into a large building monitoring system. The DS3MX is capable of sending Arm, Disarm, Alarm, Tamper, and Trouble information to the DS7400Xi. Additionally this information can be reported from the DS7400Xi to the CMS7000 multi-panel monitoring software. (Refer to CMS7000 documents for more information.)

Note: Use with DS7400Xi requires DS7400Xi-CHI with ROM version 4.03a or later.

The mini panel has three alarm input zones, one alarm relay output, two solid-state outputs, key switch input, instant input and supports three user PIN codes including the master code and one door unlock PIN code.

Series Features

- 3 zones and a separate key-switch input
- 3 user codes and an unlock door code
- Quick Arm function
- Built-in piezo buzzer
- Built-in tamper switch
- Keys back-lit by LEDs

Series Basic Functions

3 zones and a separate key-switch input

All three zones can be programmed to be Instant, Delay, 24-hr or Follower. In addition, Zone 3 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.

3 user codes and an unlock door code

One master code is preprogrammed for programming or arming/disarming the system. Two user codes can be programmed for arming/disarming the system. An 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.

Built-in piezo buzzer

The piezo buzzer (with a frequency of 2400 Hz) provides a key entry sound (beep sound), exit/entry sound (continuing beep sound), alarm sound (tone) and panic sound (beep will repeat every 2.5 seconds).

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.

Series Approvals

Approvals for China (Asia) market will be submitted by DS Hong Kong marketing.

Series Planning

Use on DS7400Xi Multiplex Bus

When using the DSM-300 on the DS7400Xi multiplex bus the maximum number of devices of all types is 240.

Power Requirements

DS3MX devices can be powered directly from the DS7400Xi Aux Power Terminals. However if more than twelve DS3MX are used, separate power supply(s) will be needed. Each power supply should have its 12 VDC output floating from ground to avoid a MUX bus fault and each should have its own internal battery back up.

Series Technical Specifications

Enclosure Design	
Color:	Frost White
Indicators:	3 zone LEDs, 2 status LEDs
Dimensions (HxWxD):	
Environmental Considerations	
Relative Humidity:	0% to 85% noncondensing
Temperature (Operating):	-20°C to +50°C
Outputs	
Alarm Relay:	Form "C", contacts rated at 3 A @ 28 VDC or 120 VAC
Solid-State:	Two DC current sinks; 250 mA maximum per output at 0.1 VDC saturation.
Power Requirements	
Current Draw:	30 mA standby, 70 mA alarm
Voltage (Input):	10.2 VDC to 15 VDC
Zone Characteristics	
EOL Resistors:	10 kΩ
Response Time:	500 ms

DSM-300 Control Panel for US

Prod. ID	DSM-300
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The keypad text is in English.

DSM-300CHI Control Panel for China

Prod. ID	DSM-300CHI
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The keypad text is in Chinese.