

DS7400XiV4 Control Panels



Security Systems

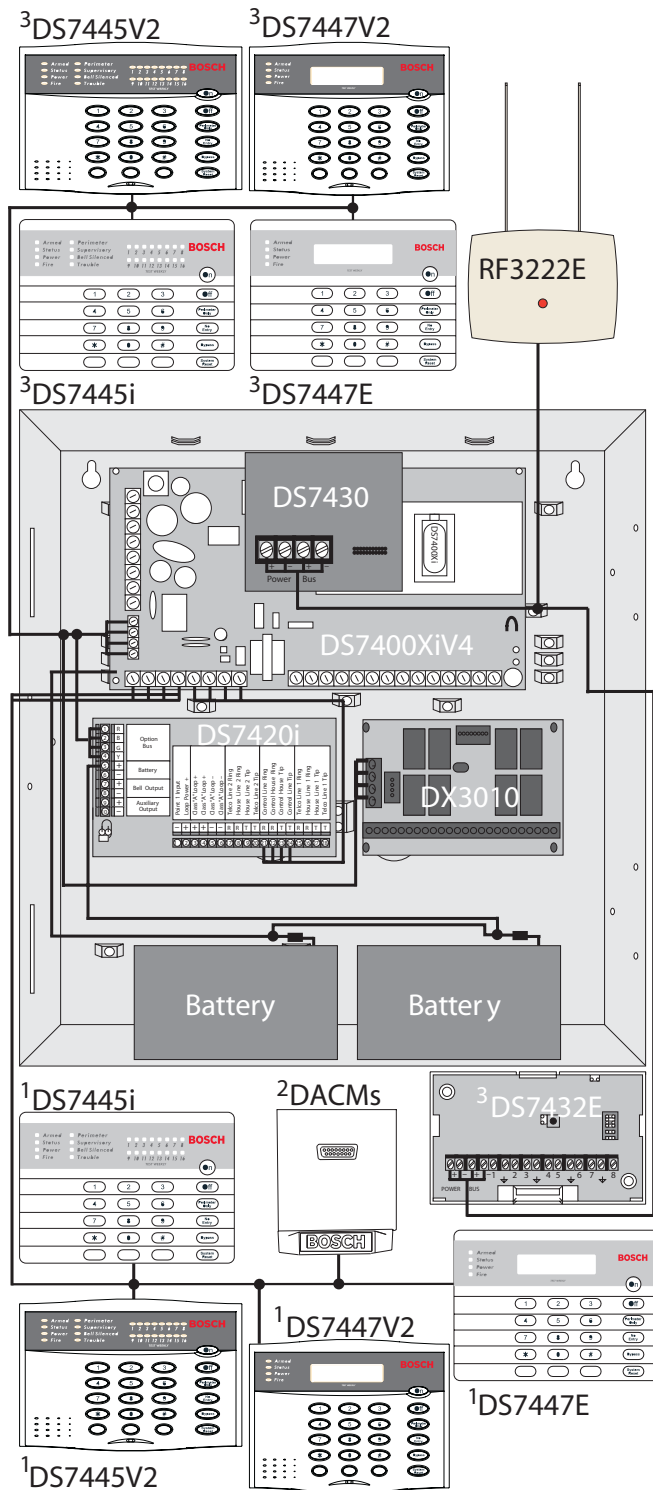


The DS7400XiV4 can be programmed for up to 248 zones in up to eight areas and accepts up to 200 personal ID numbers (PINs).

Features

- up to 248 zones in up to eight areas
- 400-event history buffer
- up to 200 personal ID numbers (PINs)
- up to 112 wireless devices
- up to 15 keypads and/or up to 8 door access control modules (DACMs)
- up to 240 addressable points including up to 60 outputs
- Ethernet network connectivity
- audio and video alarm verification options
- remote programming over serial interface, Ethernet network, or phonenumber

System Overview



1. At least one keypad must be connected to the keypad bus and designated as keypad #1. A total of ten keypads (#1 through #10) can be connected to the keypad bus or up to eight DACMs (Door Access Control Modules) can be connected to the keypad bus. Each DACM replaces an available keypad.
2. Up to 30 DS7432E 8-Input Remote Modules can be

connected to the DS7430 or DS7436. This allows addressing up to 240 input loops of conventional contacts to the control panel.

3. Up to five keypads (#11 through #15) can be connected to the options bus. DACMs can **not** be connected to the options bus.

Functions

Addressable bus outputs

The DS7400XiV4 supports up to 240 addressable points. These points can be any combination of:

- multiplex addressable devices,
- expansion modules with one, two, or eight inputs, or
- up to sixty input/output modules.

These devices are wired to the addressable bus and provide connectivity to conventional detectors. Up to 112 addressable points can be realized with wireless intrusion or fire devices through two optional RF premises receivers.

History buffer

A 400-event history buffer keeps track of system vents and messages (such as open and close events, alarm and trouble messages) by date and time. The buffer can be read at the LCD keypad or retrieved by the RPS Remote Programming Software.

Personal ID numbers (PINs)

The system supports up to 200 PINs which can be either four or six digits in length. Any number of PINs can be designated as master PINs; these are the only PINs that can be used to reprogram PINs. All PINs other than PIN#1 may be programmed with up to seven different authority levels. These PINs may be restricted from bypassing, testing, and disarming the system.

Three contact numbers

Note: When using the DX4020 Network Interface Module, IP addresses are used in place of phone numbers.

The DS7400XiV4 supports two telephone numbers up to 32 digits in length with the possibility of a 3- or 4-digit account code for full single, double, and backup reporting. Each of these two telephone numbers can be individually configured for the type of communication format and choice of pulse or tone dialing. The third telephone number is used for remote programming.

Zones

The DS7400XiV4 accepts up to 248 zones. These zones can consist of eight hardwired zones, plus the remaining addressable zones. Any of these zones can be programmed to follow one of thirty programmable zone functions.

Parts included

Each standard system includes:

Quant.	Component
1	DS7400XiV4 board
1	Universal enclosure
1	Transformer (18 V, 50 VA)

Certifications and Approvals

Country	Certification/Listing Number
Australia	Austel
Belgium	BEL
Europe	CE
USA	AMCX: Central Station Alarm Units (UL1610) AOTX: Local Alarm Units (UL464) APAW: Police Station Alarm Units (UL365) APOU: Proprietary Alarm Units (UL1076) NBSX: Household Burglar Alarm System Units (UL1023) UOJZ: Control Units, System (UL864) UTOU: Control Units and Accessories – Household System Type (UL985)

Planning**Compatible products**

The following products are compatible with the DS7400XiV4 system:

Category	Product	
Keypads	DS7445i LED keypad	
	DS7445V2 LED keypad	
	DS7447E LCD keypad	
	DS7447V2 LCD keypad	
Detectors	MX250 Photoelectric Smoke Detector	
	MX250TH Photoelectric Smoke Detector with heat-sensing thermistor	
	MX775i Addressable PIR Detector (7.2 m)	
	MX794i Long-Range PIR Detector (61 m)	
	MX934i Addressable PIR Detector (11 m)	
RF Products	MX938i Addressable Ceiling Mount PIR Detector (18 m)	
	RF835E Wireless TriTech [®] Detector	
	RF940E Wireless PIR Detector	
	RF1100E RF Glass Break Detector	
	RF3222E RF Receiver	
	RF3332E 2-Button Keyfob	
	RF3334E 4-Button Keyfob	
	RF3401E RF Transmitter	
	Modules	DS432 Reversing Relay Module
		DS7104 Line Reversal Module
DS7111i Dual Phone Line Module		
DS7420i Dual Phone Line/Bell Supervision Module		
DS7430 Multiplex Bus Driver Module		
DS7432E 8-Input Remote Module		
DS7433E 8-Input Direct Module		
DS7436 Addressable Expansion Module		
DS7457iE Single-Zone Input Module		
DS7460i Double-Input Module		
DS7461i Single-Input Module		
DS7465i Input/Output Module		
DS7480 Bell Supervision Module		
DS7481 Single Phone Line Monitor		
DS7488 Octal-Relay Module		
DS7489 Octal Solid State Output Board		
DX3010 Octo-Output Expander		
DX4010i RS-232 Serial Interface Module		
DX4020 Network Interface Module		

Technical Specifications

DS7400XiV4 Control Panels	
Enclosure Design	
Color:	Gray
Dimensions (HxWxD):	31.8 cm x 36.8 cm x 7.6 cm (12.5 in. x 14.5 in. x 3 in.)
Material:	0.9 mm (20 Ga) cold-rolled steel
Environmental Considerations	
Temperature (Operating):	0°C to +49°C (+32°F to +120°F)
Electrostatic Discharge (ESD) and Lightning Suppression:	MOVs and spark gaps are provided to suppress damage due to lightning strikes and electrostatic discharge.
Outputs	
Alarm Output:	Normally Open (NO), 1.75 A contact connected to auxiliary power
Programmable Output 1:	Solid state current sink (1 A maximum) that can be used for alarm, arming state, or access control
Programmable Output 2:	Solid state voltage source (500 mA maximum) that can be used for alarm
Power Requirements	
Input Power:	18 VAC, 50 VA (50 Hz)
Output Power (alarm):	1.75 A
Output Power (total):	12 VDC, 2.5 A

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