

Matrix 6

6 Input Control Panel

Matrix 816

8-16 Input Control Panel

Matrix 424

4-28 Input Control panel

Matrix 832/832+

8-32 Input Control Panel

Control Panels Communicating

- Up to 4 areas with home/away arm modes
- Up to 32 fully programmable inputs
- Up to 12 fully programmable outputs
- 32 user codes
- 3 - 9 Telephone number
- 256 memory event log
- Contact ID, Fast Format, Pyronix PC format
- MX-Voice module compatible
- Up/download capability
- 32 Wireless input expansion with MXRIX 32-WE
- Multilingual LCD keypad
- ICON Keypad
- Compatible with IPCOM

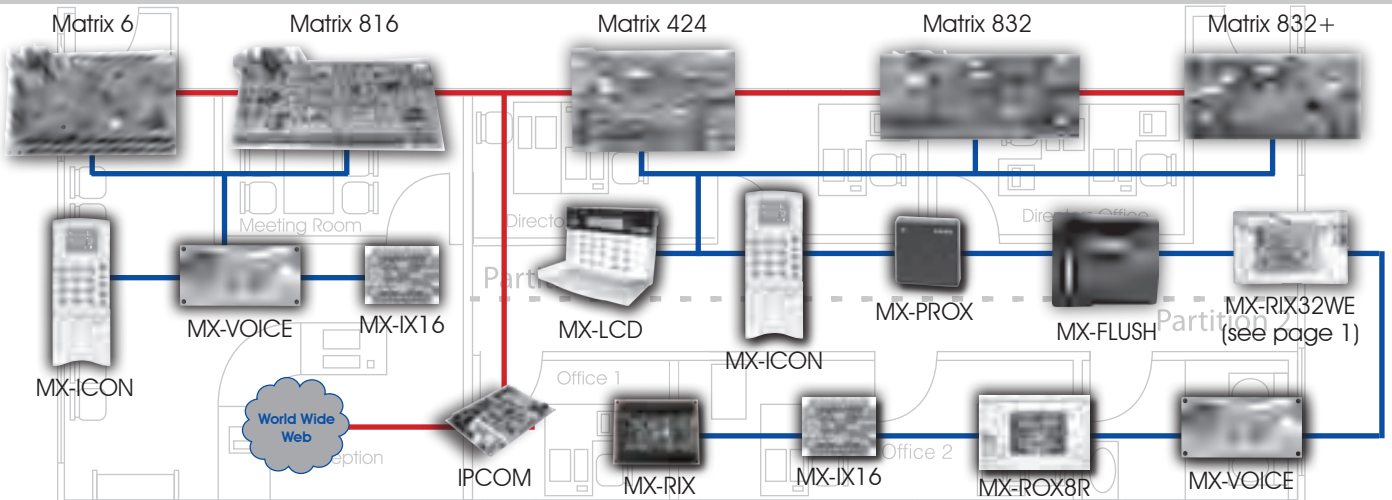


INDUSTRIAL / COMMERCIAL /
RESIDENTIAL

Product Features

Features	Description	Matrix 6	Matrix 816	Matrix 424	Matrix 832	Matrix 832+
Areas	Fully independent areas	-	-	4	4	4
Arm modes	Different home and away combinations for each area	4	4	4	4	4
On-board inputs	The number of the inputs 'on-board' the Matrix	6	8	4	8	8
Wireless inputs	Using the MX-RIX32WE with Enforcer wireless technology	-	-	32	32	32
Maximum inputs	Using both wireless and wired inputs	6	16	44	48	48
Zone doubled inputs	Maximum inputs with zone doubling enabled	6	16	60	64	64
Zone doubling feature	Increases the maximum number of inputs (without expanders)	✗	✗	✓	✓	✓
Input loop configuration	All inputs can be programmed as either DEOL, SEOL, or NC/NO	✓	✓	✓	✓	✓
On-board outputs	Fully programmable outputs	4	7	4	4	4
Maximum outputs	Fully programmable outputs	4	7	12	12	12
User codes	Maximum number of user codes	15	15	32	32	32
Multi language LCD RKP	Available in 15 different languages (see overleaf)	✗	✗	✓	✓	✓
ICON keypad	8 panel status icons with dedicated PA. and fire keys	✓	✓	✓	✓	✓
External prox reader	Allows the user to arm/disarm via a tag. IP65 rating	✗	✗	✓	✓	✓
Contact ID & Pyronix PC	Full event reporting via Contact ID format and to a PC modem	✓	✓	✓	✓	✓
Fast Format	Full event reporting using the Fast Format format	✗	✗	✓	✓	✓
MX-Voice module	Voice module used to send pre-recorded voice messages	✓	✓	✓	✓	✓
RS232 output	Enables uploading / downloading capability to a PC	✓	✓	✓	✓	✓
MX-485 network	Please refer to page 9	✓	✓	✓	✓	✓
IP/GPRS communication	Ability to be used to communicate via IP using the IPCOM	✓	✓	✓	✓	✓

Bus Diagram



Technical Specification

INPUTS	
Input loop configuration	SEOL, DEOL, N/O, N/C.
Zone doubling	Matrix 424, 832, 832+
Input current loop	0.5mA max
Normal input loop timers	0.3 sec
Fast input loop timers	0.03 sec
Input wire resistance	<470 ohm

PGM OUTPUTS	
PGM1	Relay contact, 30VDC 3A
PGM2, PGM3, PGM5, PGM6	Open Collector (200mA, 12V)
PGM4, PGM7 (MX 6/816)	Open Collector (500mA, 12V)
PGM4 (2 WIRE FIRE detector option) (MX424/832/832+)	Open Collector (10mA, 12V)

DIGITAL COMMUNICATOR	
Digital communicator	Analogue
Lightning protection	6.75kV/125Amps

POWER SUPPLY	
Power input	17VAC
Low voltage output	13.8VDC 1A regulated
Max capacity power output	1.2A
Max power for external devices	600mA
Transformer (polymer and metal(M))	Primary: 230VAC, 50Hz, 21W/44W(M) Secondary: 17VAC, 1.25A/2.5A(M)














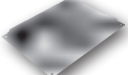
CURRENT CONSUMPTION	
PCB alone	60mA
MX-ICON keypad	40mA to 60mA
MX-LCD keypad	20mA to 80mA
MX-PROX	90mA
MX-IX16	1mA
MX-RIX	25mA
MX-ROX8R	225mA, 30V - 3A max
MX-ROX8T	45mA, 12V - 500mA max
MX-VOICE	25mA

BATTERY	
Capacity	2.8 - 7.2 A/h
Protection on battery terminals	Short & reverse
Battery charge	Min 6V


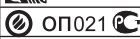
FUSE PROTECTION	
AC Input	2A
AUX	1A
Keypad AUX	1A
Battery input	5A
Mains fuse	250mA

ENVIRONMENTAL	
Operating temperature	0° to 40°C
Storage temperature (polymer)	-20°C to 40°C
Storage temperature (metal)	-10°C to 55°C

Accessories

Product Name	Description	Product	Product Name	Description	Product
MX-LCD (424/832/832+) Max Device=4	Multilanguage LCD keypad Available in: English, Brazilian, Czech, Dutch, Estonian, French, Greek, Hungarian, Italian, Polish, Portuguese, Russian, Spanish, and Turkish		MX-FLUSHMOUNT (424/832/832+) Max Device=4	Multilanguage flushmount LCD Keypad. Available in: English, Brazilian, Czech, Dutch, French, Estonian, Greek, Hungarian, Italian, Polish, Portuguese, Russian, Spanish, and Turkish	
MX-LCDT (424/832/832+)	Optional translucent front cover		MX-UDL	Up/downloading software	
MX-ICON Max Device=4	ICON LCD keypad		MX-MON	Monitoring software	
MX-VOICE Max Device=1	Voice module		RS232 Cable	Enables local programming	
MX-IX16 Max Device=1	8 local input expander		MX-PROX (424/832/832+) Max Device=4	Internal proximity reader	
MX-RIX (424/832/832+) Max Device=2	8 Input remote expander with inertia analyser		MX-RIX32WE (424/832/832+) See page 1 Max Device=1	32 input wireless remote expander using Enforcer wireless technology	
MX-ROX8R (424/832/832+) Max Device=1	8 Programmable output (PGM) relay expander		IPCOM See page 11	Enables IP communication via a LAN/WAN and GPRS dual path signalling	

Information

COMPLIANCE	
Europe	CE
Denmark (Matrix 6, 832+)	F&P
Italy (Matrix 832+)	
Russia (Matrix 6, 424, 832)	
China (Matrix 6, 816, 424, 832)	

PACKING INFORMATION	
Min Pack:	10
Warranty	2 years
Designed	UK