

## MATRIX 816(8-16 INPUT CONTROL PANEL)

Features	Description
Arm modes	Different home and away combinations for each area (4)
On-board inputs	The number of the inputs 'on-board' the Matrix (8)
Maximum inputs	Using both wireless and wired inputs (16)
Zone double inputs	Maximum inputs with zone doubling enabled (16)
Input loop configuration	All inputs can be programmed as either DEOL, SEOL, or NC/NO
On-board outputs	Fully programmable outputs (7)
Maximum outputs	Fully programmable outputs (7)
User codes	Maximum number of user codes (15)
ICON Keypad	8 panel status icons with dedicated P.A. and fire keys
Contact ID & Pyronix PC	Full event reporting via Contact ID format and to a PC modem
MX-Voice module	Voice module used to send pre-recorded voice messages
RS232 output	Enables uploading / downloading capability to a PC
MX-485 network	
IP/GPRS communication	Ability to be used to communicate via IP using the IPCOM

## TECHNICAL SPECIFICATIONS

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

PGM OUTPUTS	
PGM1	Relay contact, 30VDC 3A
PGM2, PGM3, PGM5, PGM6	Open Collector (200mA, 12V)
PGM4, PGM7	Open Collector (500mA, 12V)
PGM 4 (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
Storage temperature (polymer)	-20
Storage temperature (metal)	-10