Control Panels

communicating control panel

Matrix 6

COMMERCIAL / RESIDENTIAL

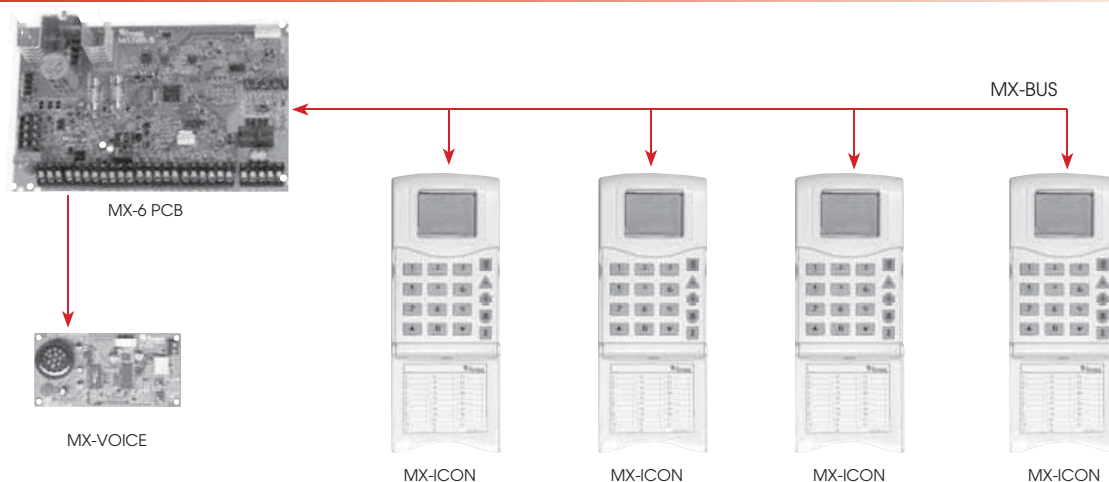### 6 Zone Control Panel with In-built Digital Communicator

Main Features

- 1 Partition with 1 account code
- 4 Arm modes
- 6 Fully programmable zones
- 4 Programmable outputs
- 15 User codes
- 3 Telephone numbers
- 500 Event (Real Time) log
- Contact ID
- Up to 4 Icon keypads
- MX-Voice compatible
- Up/Downloading capability

Product Features

Features	Description
4 Arm modes	All 6 zones can be configured in a different way for each arm mode to create 4 different home and away combinations to satisfy end user requirements
6 Fully programmable zones	All zones can be programmed entry/exit, access, immediate, omitted, fire, PA, tamper, key box, shunt keypad, momentary keyswitch, latch keyswitch, 24hr
Zone loop configuration	Zones can be individually configured as DEOL, SEOL, N/O, N/C
Fast zones option	Enables connection of shock sensors on zones 4,5 and 6 for 30 ms fast zone loop response time
Contact ID format	Full event reporting over the telephone line to a digital receiver
Pyronix PC format	Full event reporting over the telephone line to a PC using a modem and MX-MON receiving software
MX-Voice	Using this module it is possible to send a maximum duration of 72 secs pre-recorded voice messages to the end users' phone. 8 different messages may be programmed
RS 232 output	This output enables programming and viewing the event log from a local PC connection
4 Fully programmable outputs	Fully programmable outputs that can be used with radio transmitters, siren and other external devices
Heavy duty lightning protection	High protection for installation in environments where lightning could damage the digital communicator
MX-485 Network	Ability to be used with MX-485 Network

Bus Diagram

MX-6 PCB

MX-VOICE

MX-BUS

MX-ICON   MX-ICON   MX-ICON   MX-ICON

Electrical

Zones	
Number of programmable zones	6 zones
Zone loop configuration	N/C, N/O, DEOL, SEOL
Zone current loop	0.5 mA max
Normal zone loop timers	0.3 sec
Fast zone loop timers	0.03 sec
Zone wire resistance	<470 Ohm

PGM Outputs	
PGM1	Relay Contact, 30V DC 3A
PGM2, PGM3	Open Collector, 200mA
PGM4	Open Collector, 500mA

Digital Communicator	
Digital Communicator	Analogue
Lighting protection	6.75kV/125Amps

Power Supply	
Power Input	17V AC
Low Voltage output	13.8V DC regulated
Max capacity power output (incl panel)	1.25A
Max power for external devices (excluding battery)	600 mA
Transformer	Primary: 230VAC, 50Hz, 20W Secondary: 17VAC, 1.25A

Current Consumption	
PCB alone	60mA
MX-Icon keypad	40mA to 60mA

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	2A
Mains Fuse	T250mA

Environmental	
Operating Temperatures	-0° to 40°C
Storage Temperature	-20°C to 60°C

Product Options

PYRONIX PRODUCT CODE BY ASSEMBLY OPTION		
Description	*Pyronix Product Code*	*Individual Weight*
PCB + ICON RKP* + Poly Cabinet + Transformer + Mains Connector + Tamper Kit	FPMX6002	2.520 Kg
PCB + ICON RKP* + Poly Cabinet	FPMX6006	1.830 Kg
PCB + ICON RKP*	FPMX6008	0.710 Kg

* Remote Keypad

Additional Accessories

Product Name	Description	Pyronix Product Code
MX-ICON	User friendly ICON LCD keypad	FP12030
MX-VOICE	Voice module	FP14600
RS232 CABLE LINK	Enables local programming	FP11480
MX-UDL	Up / downloading Software	Available From www.pyronix.com/downloads
MX-MON	Monitoring software	FP12010
MX-INSTCD	Manual & software collection	FP12000

COMPLIANCE	
Europe	C€
Denmark	F&P
Russia	℞
China	ⒸⒸⒸ

For use in EN50131-1 Systems - Environmental Class 2 Security Grade 2

As part of the continued development programme
specifications may change.