Guardall PX-80/500

The Guardall PX80 and PX500 are the final pieces in the PX range of control panels. They now provide the PX with the capability to tackle large commercial systems. Expandable to 80 (512) circuits, 100 (200) users, 16 (32) areas and up to 16 (32) keypads, enables the PX80 and PX500 to offer maximum flexibility and system capability.

End-User Benefits

Provides optimum flexibility to allow all your needs to be satisfied through one range of control panels. Regardless of the system size, common features ensure every conceivable end-user need is satisfied with all the capabilities you should expect in a top of the range control panel.

Installer Benefits

With the addition of a higher level of access integration allied with the massive diagnostic capability of the PX panels, gives a route from small to large and simple to complex all in one range. Using the PX80 and PX500 couldn't be simpler with the same functionality of the smaller panels but now providing complete access control capability.

Guardall · **PX**RANGE

Guardall PX-80/500

ORDERING INFORMATION PX-80/500

W73849	PX80 control panel
W73859	PX500 control panel
W73807	LCD 2 line
W73811	LCD 2 line with prox
W73809	LCD 2 line with 2 circuits
W73816	LCD 2 line with prox and 2 circuits
W73846	Electronic key kit
W73820	Prox fobs (pack of two)
W72993	Electronic keys (pack of two)

W73736	Diagnostic concentrator	Plastic
W73735	Diagnostic concentrator	Metal
W73818	Smart concentrator (1.5A PSU in metal case)	
W73737	Output module	8 relays
W73738	Output module	8 Transistor
W73739	Output module	8 Transistor / 4 relay
W73740	Serial module	
W73869	Bus isolator	
W73813	Mimic module	
W73822	Access module	
W73847	Smart Access (1.5A PSU in metal case)	
W73824	SmartDial Super PX	
W73825	SmartDial Speech PX	
W73821	Proxpoint	
W73819	PX programming kit	

SPECIFICATION CONTROL PANEL

	PX-80	PX-500
External power source	230V +10% -6%, 50Hz	230V +10% -6%, 50Hz
Input current rating (a.c)	100mA	120mA
Output voltage (d.c)	14V ± 0.3V	14V ± 0.3V
Standby Battery Size	1 x 17 Ah or 1 x 12 Ah or 1 x 7 Ah	1 x 17 Ah or1 x 12 Ah or 1 x 7Ah
Maximum recharge time	24 hours	24 hours
Temperature range	-10°C to +50°C	-10°C to +50°C
Humidity	10% to 90% relative humidity	10% to 90% relative humidity
Power supply rating	1.5A diagnostic	2.5A diagnostic
Panel quiescent current	60mA	80mA
Sounder Output	2A Relay (voltage free)	2A Relay (voltage free)
Strobe Output	2A Relay (voltage free)	2A Relay (voltage free)
Diagnostic Accuracy	Typically 99% accuracy	Typically 99% accuracy

SPECIFICATION PX KEYPAD

Input voltage (d.c.)	10.5V min – 15V max	
Quiescent current	15mA + 30mA backlight	

XiB CONCENTRATOR

Input voltage (d.c.)	10.5V min – 15V max	
Quiescent current	25mA	
Input circuit current	1.7mA	
Diagnostic Accuracy	Typically 99% accuracy	

XiB SERIAL MODULE

Input voltage (d.c.)	10.5V min – 15V max	
Quiescent current	25mA	

XiB OUTPUT MODULE

Input voltage (d.c.)	10.5V min – 15V max	
Quiescent current	25mA + 20mA per relay	

Guardall PX Range

PRODUCT FEATURES-

➤ 100 users, 16 areas, 16 keypads, 500 event log and expandable up to 80 circuits all with diagnostics, 1.5A psu with full diagnostics for battery voltage and charge current. (PX80)

➤ 200 users, 32 areas, 32 keypads, 1000 event log and expandable up to 512 circuits all with diagnostics, 2.5A psu with full diagnostics for battery voltage and charge current. (PX500)

➤ Using extensive communication capability the PX control panel can be managed remotely giving all the functionality of the PX but from a remote location.

➤ New faster eXtended interface Bus (XiB).

➤ Fully compliant with all current regulations.

➤ Automatic detection of the system hardware with auto install feature.

➤ The PX capability for diagnostics and full remote functions means that PX servicing can be carried out from a remote site. All the information can be printed from a PC and used to verify the condition of the system to provide early warning of any potential danger signs. The diagnostics on PX can be calibrated providing readings with an accuracy of better than 98%.

➤ Smart concentrators further enhance the PX range by providing self powered expansion with full diagnostics for current and voltage in a metal case with space for battery backup.

➤ The PX80 control panel is equipped with 2 fully isolated external busses which allow up to 1.7km of unscreened cable to be used on each. The PX500 is equipped with 4 busses.

➤ For very large systems requiring long cable runs a bus isolator can be installed which can provide an additional 1.7km for each bus isolator fitted. A maximum of 2 per bus can be fitted. Giving a maximum cable length of 5.1km per bus.

➤ PX is a multiple area system with easy setting/unsetting of areas and multiple areas. Areas can be assigned to groups which allow for complete flexibility and control of large buildings or complex systems.

➤ An access module is available for the PX range which provides single door control with up to 1000 users for the system. The PX80 can support up to 16 doors with the PX500 controlling up to 32 doors. Outputs are provided for door unlock or request to exit. Readers can be used for both in and out for an individual door.

➤ All programming for the PX access can be carried out through a keypad and all configuration is stored within the access module. Further enhancement for access is through the smart access which is an access module with its own fully diagnostic power supply in a metal case with space for battery backup.

➤ Output devices locatable anywhere on the XiB.

➤ Serial module for direct and remote up/down load with PCs. Also local or remote printing.

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