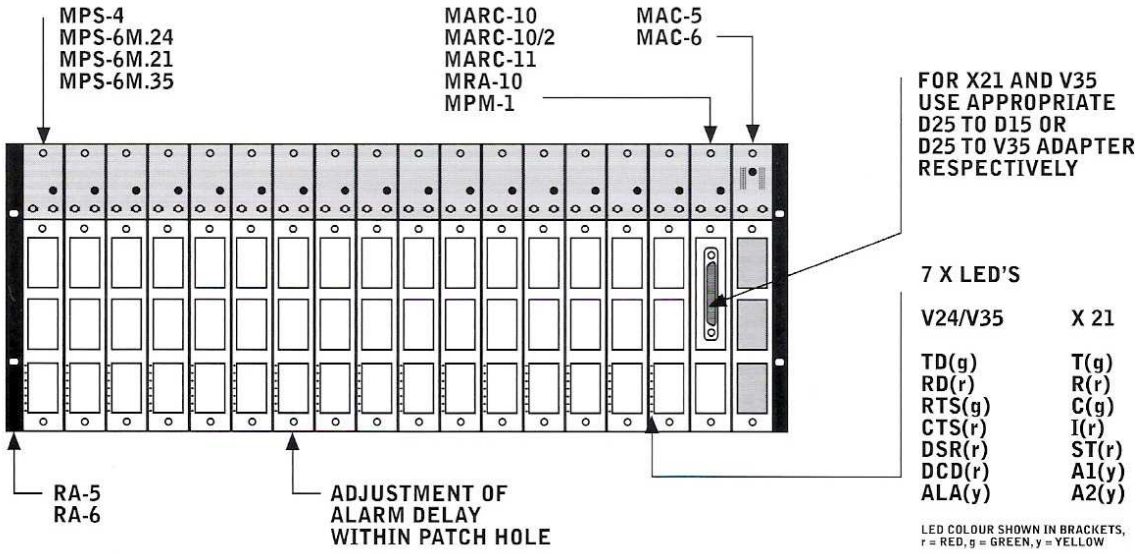
DYNETCOM

Mark II DynaSwitch
Electro-Mechanical A/B Switches

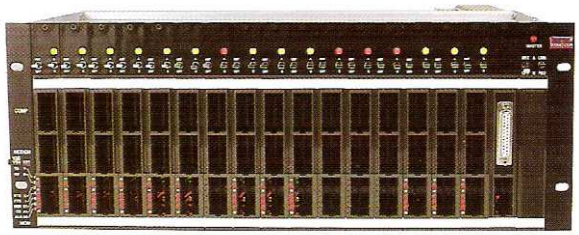
The DynaSwitch MK 2 electro-mechanical Multi-function Patch/Switch (MPS) system is a modular system used to manage a variety of digital interfaces. Installed between DTE and DCE equipment, the system provides the following general network management capabilities: patching, including non-interruptive monitoring; single channel and group A/B switching; LED monitoring of critical interface leads; audible alarm on drop of carrier detect after a pre-defined timeout; remote control from either a terminal (eg. using a PC terminal emulation program), or using remote control via a dial up modem or IP connection. Remote control enables full switch control, alarming and interface lead status reporting from a remote site using either the terminal interface or a graphical (GUI) interface via http. Provision is made for the following interfaces, V.24 (RS232), V.35, X.21, V,36, RS-449, RS-530, RJ45 (Ethernet, T1/E1/T3, Gigabit Ethernet or 8-wire transparent), G.703 50 ohm BNC.

The modules and chassis, which comprise the DynaSwitch product range are available in a variety of types that are specific to certain function and environments.



DynaSwitch configurations comprise a rack adaptor chassis (RA-5 or RA-6), individual switching channel modules (MPS series), controller modules (MARC or MRA series), and switch sequencing modules (MAC series).

Control of any DynaSwitch module can be performed from the front panel on an individual channel basis or on a 16 channel basis by means of a front panel master A/B switch. Remote control of more than one rack, at the same site, is easily accomplished by daisy chaining the racks together on a bus system known as the Dynabuss. Up to 32 chassis can be chained together on a common bus, although this varies with the type of controller used.



Mark II DynaSwitch Chassis options

RA-5: The RA-5 is a 4U (7") high chassis with a connectorised back plane that provides slots for up to 16 MPS series channel modules with two female DTE (LOAD A and LOAD B) and one male DCE (LINE IN) DB25 connector on the rear back plane. Each DB25 connector protrudes through a metal rear panel which has integral cable securing hardware. MPS series modules can be removed from the front of the chassis without disturbing cables at the rear. Different interfaces can be accommodated in the same chassis with the use of interface adapter kits.

Also provided on the rear panel is a DB37 female connector for Dynabuss chaining; a DB25 connector for remote control; and a DIN connector for remote Master A/B switching, by hardware connection up to 500ft.

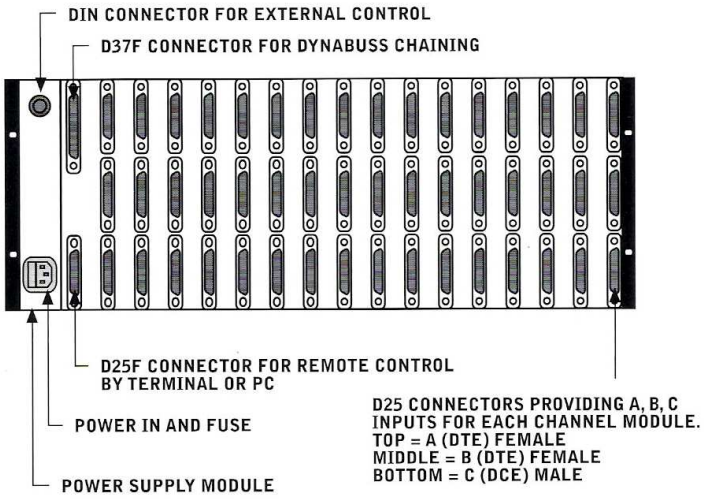
An MPM-1 test access module or MARC/MRA series master/slave controller module can be installed in slot 17 and a MAC-10 switch sequencing module is supplied as standard in slot 18 to control switching and alarm functions. The Master A/B switch function takes less than 0.5 seconds to complete a ripple switch of all the MPS series modules in the chassis.

All unused slots can be fitted with PPSB-10 blank panels. Power for all the modules installed in the chassis is provided by an integral auto ranging 85-265 VAC power supply, or dual redundant power supplies, that is/are mounted at the rear of the chassis .

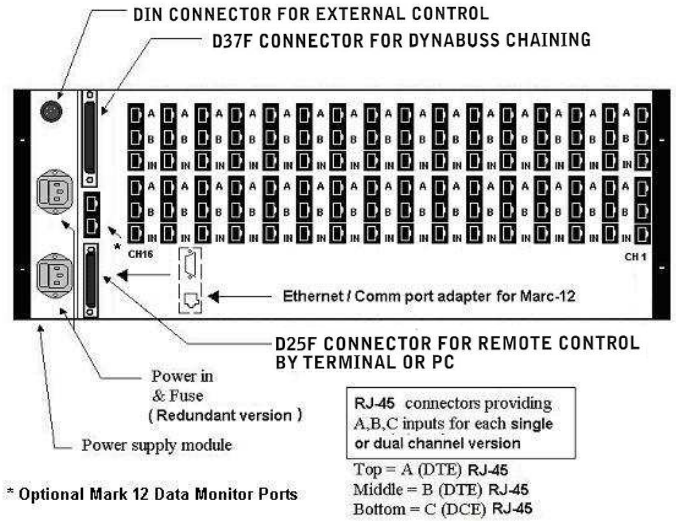
RA-6: The RA-6 chassis adds the capability of a Line Activity Scanner (LAS) option. An internal ribbon cable connects the switching cards and through the use of a Mark 12 controller card, facilitates the ability to monitor individual channel signals in real time. (see separate data sheet for Mark 12 controller card functions).

RJ45 Chassis: An optional RJ45 chassis provides the ability to simultaneously switch two channels per card of Ethernet, Gigabit Ethernet, T1/E1/T3, 8-wire serial data or audio signals (see separate data sheet).

RA-5 Chassis



RJ45 Chassis



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Specifications subject to change without notice