



Mark I Dynaswitch®

- **Very highest standards of durability and longevity**

The Dynetcom range of Mark I A/B switch and patch/switch products demonstrates the very highest standards of durability and longevity. These products are eminently suitable for the very harshest environments having typically been sold and installed to military communications departments around the world. Wherever there is a requirement for the very highest quality of switching equipment, Dynetcom's Mark I product is the correct solution. Using the unique round barrel patch jack for patching or monitoring functions.

- **Modular Design**

In addition the Mark I A/B switch and patch/switch offers convenient A/B fall back reconfiguration with data and carrier signal monitoring on each channel. Added to these features the Dynetcom Mark I A/B switching offer easy data scope access to the electrical interface to allow interactive circuit testing or passive circuit monitoring, (not available when DARC-12 is installed in standalone chassis).

- **Up to 16 channels**
- **Up to 16 circuits**

A Variety of options for remote control gives full compatibility with DCC Software or DARC/MARC-12 Programmed Software. Configuration possibilities are extensive and can be implemented in the field to solve many problems of bypassing crossover or substitution.

- **V.24, V.35 interface support**

Product Specifications

- Modular design
- 16 Channels, 16 circuits
- V.24, and V.35 interface support
- Individual channel interface monitoring and carrier alarm
- Remote Control, Slave Remote Control, and Test access Modules available in position 17.
- Master Alarm and Control Module with 11 L.E.D. interface breakout in position 18.

Communication solutions from

NSGDatacom

extend. evolve. innovate.



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Product Configuration

RA-10D

Rack adapter chassis with power supply and a master alarm control module (mounted in chassis position #18) consisting of master NB switch, eleven LED monitor display with patch cord access and audible carrier alarm circuitry with on/off reset switch and visual LED alarm indicator (LED will always follow the audible alarm, i.e. when alarm sounds, the LED lights.) It also comes with a DB25 female connector on the back plane for connecting to a modem, telnet access, or a dumb terminal and a DB37 for chaining the chassis together by a Dynabuss cable.

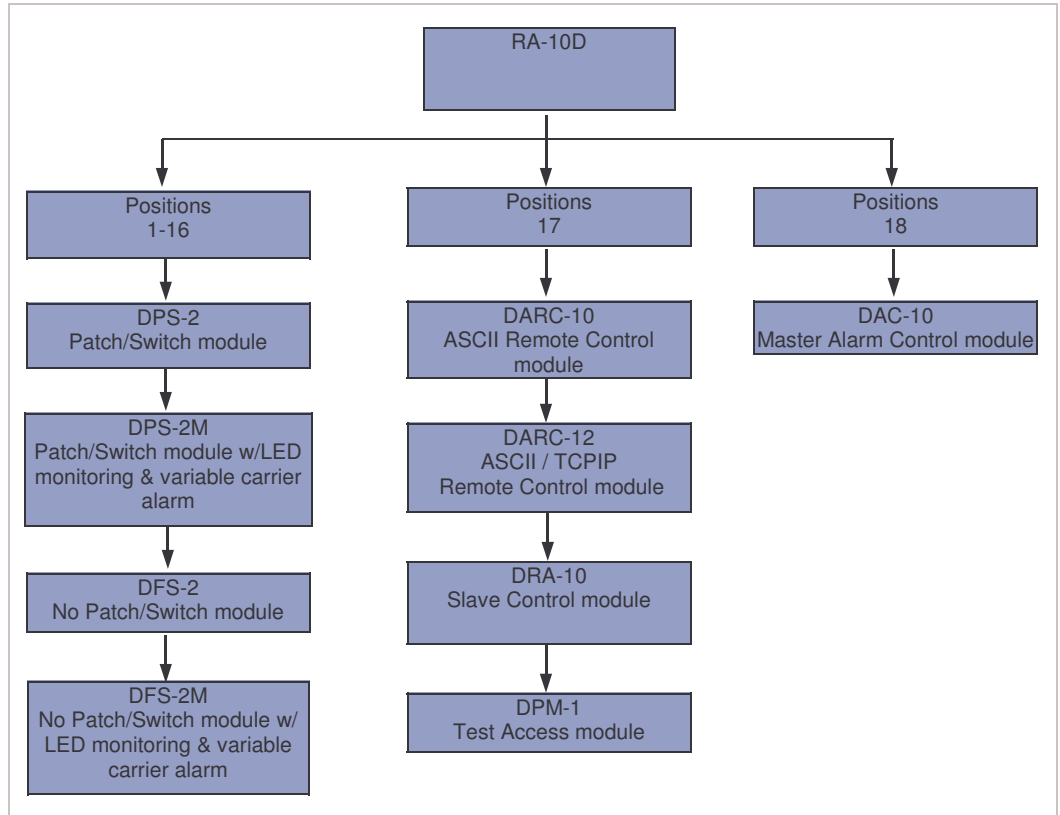
DAC-10

Master controller module. Mounts into slot 18. This module is always included in RA-10D rack adapters and provides the control for switching all the single channel cards to either A or B positions. This is done sequentially within 1 second.

DAC-10 also provides signal monitoring of 11 V.24 leads: TD, RD, RTS, CTS, DSR, DCD, TC, RC, DTR, RI, and TCT.

DFS-2 & 2M

Single channel 16 circuit A/B fallback switch module with A/B toggle switch and red/green LED for switch position and does not have patch or monitor capability. NO LED monitoring on DFS-2. The DFS-2M contains 3 LEDs for continuous monitoring of transmit data, receive data, and carrier detect. A variable carrier alarm delay is also included in the DFS-2M adjustable up to 1 min. On-off-reset switch provides for resetting of alarm or disabling it entirely.



DPS-2 and DPS2M

Single channel 16-circuit patch/switch module with A/B toggle switch and red/green LED for switch position. NO LED monitoring on DPS-2. The DPS-2M contains 3 LEDs for continuous monitoring of transmit data, receive data, and carrier detect. A variable carrier alarm delay is also included in the DPS-2M adjustable up to 1 min. On-off-reset switch provides for resetting of alarm or disabling it entirely.

DRA-10

Dynabuss interface module mounts into slot 17. It provides slave remote control access when used with the DARC-10 or DARC-12 mini-controller as master, or alternatively the 155-AC-64.

DARC-10

This mini-controller card mounts into slot 17 of RA-10D and gives master remote control capability from any ASYNC ASCII terminal. Module is equipped with one V.24 female connector and one D.37 connector. V.24 connector is used to connect ASCII terminals. D.37 connectors is used to daisy chain to other switches with Dynabuss interface.

DARC-12

Remote controller module that supports both a local ASCII serial interface or remote telnet access to menu functions. Display and control via http from a web browser. Supports SNMP to control, generate alarms and obtain status of the Dynaswitch functions via private MIB. User friendly menu configuration of control and status of the mark 12 serial port, Ethernet, IP, SNMP, http and Dynaswitch functions. Software can be upgraded into standby flash bank via local serial I/F or IP/TFTP during normal operations. Alarms can be generated to local serial device or via TCP to a host collector. They can also be sent as SNMP traps. Http access can be controlled, by allowing only a certain IP address or range of IP addresses access, and also by a user name / password logon. Configurable e-mail alerts for alarms. For security, telnet access can be turned off and incoming TCP and UDP packets can be denied access. Supports DHCP for networks that incorporate dynamic IP address assignment. Static IP address assignment is also supported. IP routing can use configurable default route, configurable static route, and/or rip. Supports existing MARC-10 control code as a option.

DPM-1

V.24 patch monitor module provides patch cord access to front-mounted female 25-pin EIA connector. Mounts in slot 17 and is used in chassis' requiring only local switch control.

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