

Power where you need it

Aphel

All Aphel products are made from high quality components. The three pin safety shuttered sockets are supplied white as standard, but are available in various colours and finishes, depending on required application.

The attractively styled, blue self-coloured glass fibre reinforced polyester cases are tough, all insulated and completely corrosion resistant. The cases may be ordered in colours other than blue, although this may depend on required quantities.

All sockets can be supplied individually switched or unswitched.

Most accessories with 86mm. x 86mm. front plates (3, 4 or 6 way), 146mm. x 86mm. (Mini-Board) and dimensions generally to BS 1363 can be incorporated.

The unit is supplied as standard with a red neon indicator to indicate when the unit is live, but can be supplied without or to customer specification.

PORTABLE UNITS are fitted with 4.5m of cable having a moulded on fused 13A plug as standard but can be supplied with cable lengths of 2m and 3m to the same specification. The moulded on feature provides extra safety from wrongly wired repairs and loose connections. Other cable lengths, types and colours plus plugs can be supplied to any particular requirement.

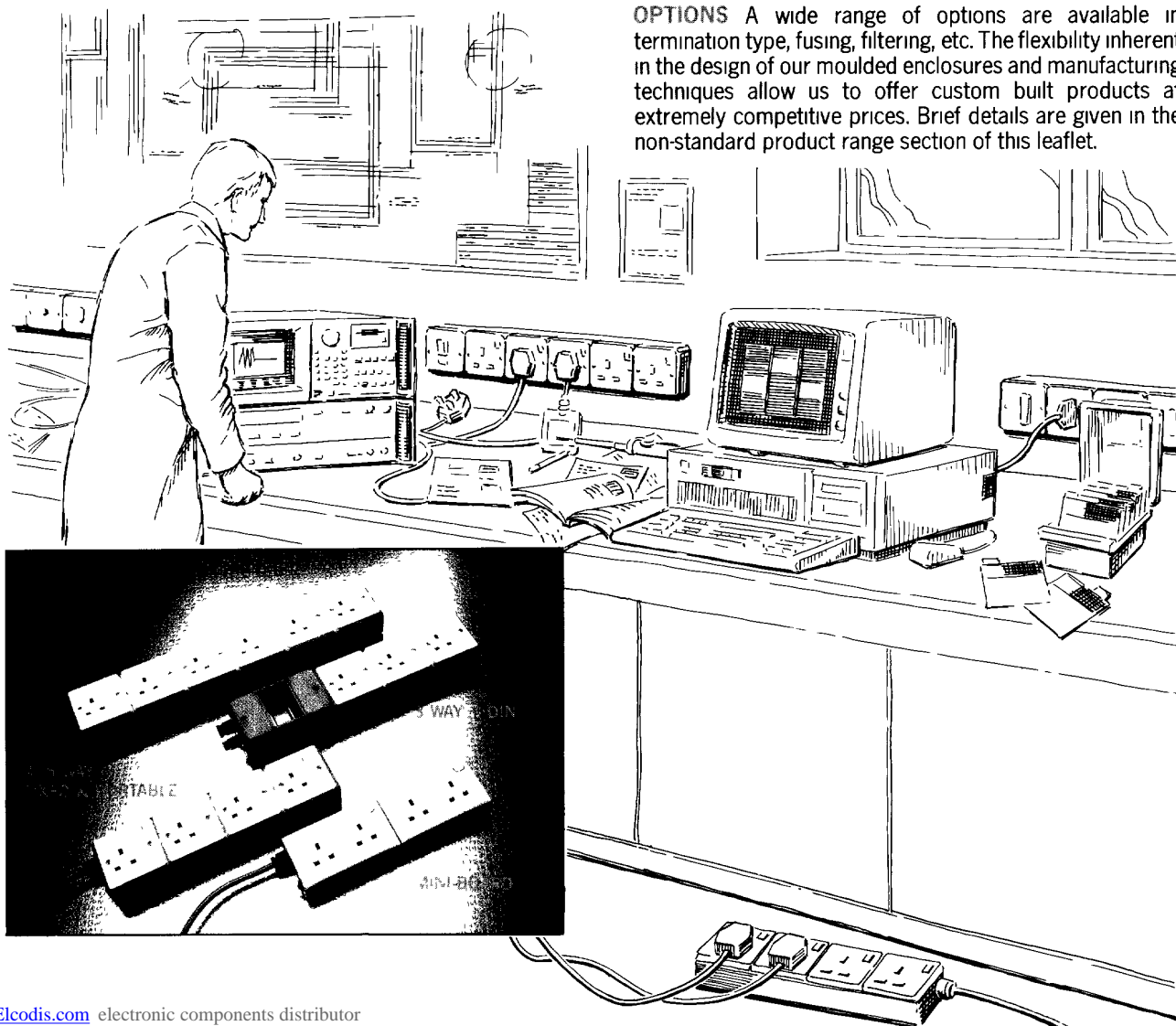
All portable units use impact resistant socket front plates enabling them to conform to the rigorous drop test of BS 1363/A, and making the unit ideal for industrial/laboratory use where both high quality and resilience is necessary.

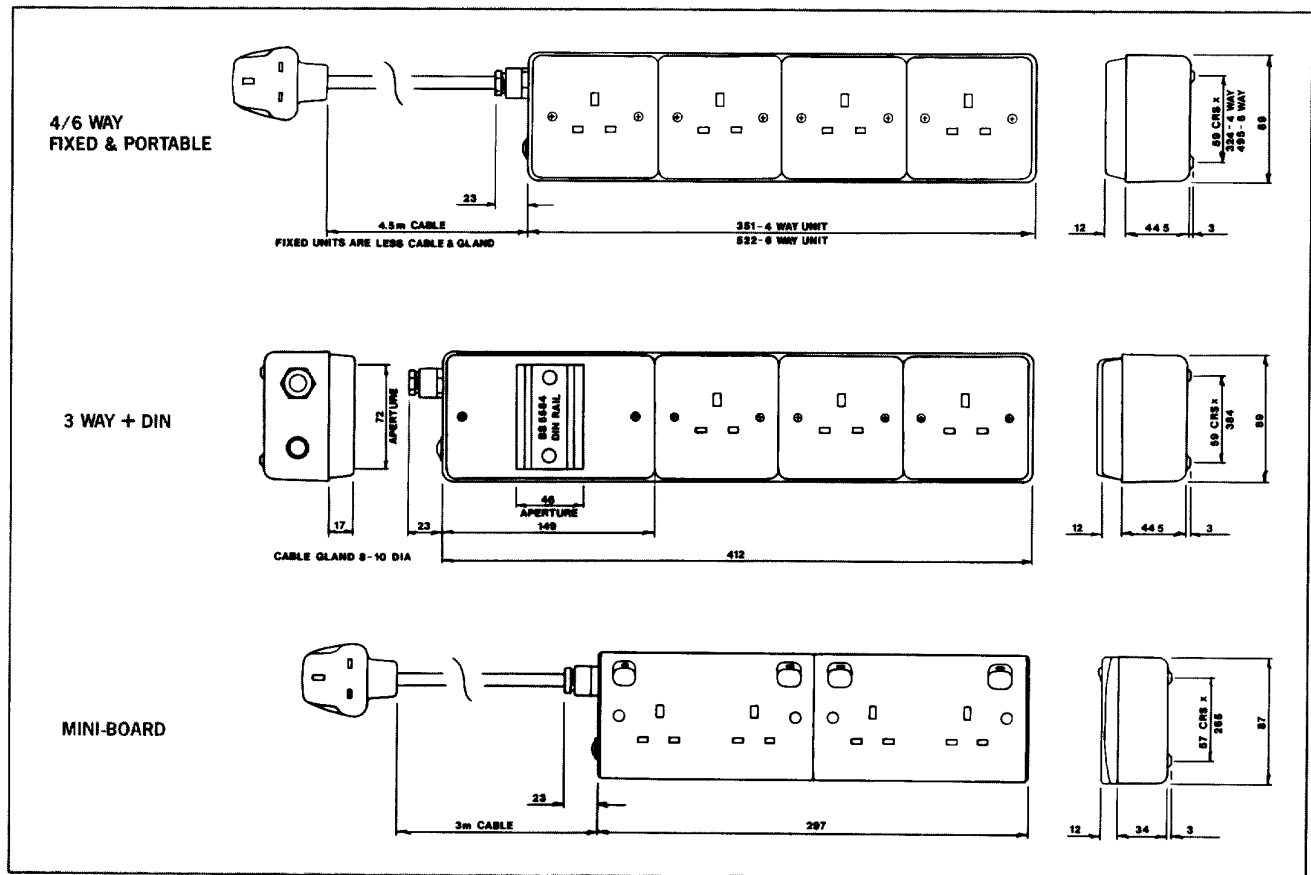
FIXED UNITS with standard 13A outlets use the same tough socket front plates giving a neat multi-socket installation which should give years of trouble free service.

As fixed units are not subject to the same demanding mechanical use as portable units, we can supply them with sockets other than standard such as sockets with neon indicators etc.

DIN UNITS are available with a DIN housing and 3 or 4 socket outlets allowing DIN rail mounting of a range of devices up to 4 modules wide, including RCDs, MCBs, timers, time delay relays, fuse units, etc. Aphel can supply the units complete with a DIN mounted sub system, wired and tested ready for immediate use, or can supply the 3 way plus DIN unit blank allowing you to fit the sub-system of your choice.

OPTIONS A wide range of options are available in termination type, fusing, filtering, etc. The flexibility inherent in the design of our moulded enclosures and manufacturing techniques allow us to offer custom built products at extremely competitive prices. Brief details are given in the non-standard product range section of this leaflet.





TECHNICAL SPECIFICATIONS

CASE Mid blue self coloured glass reinforced polyester resin (DMC) to BS 5734 (other colours available to order, quantity dependent.).

Very tough, corrosion resistant and electrically safe for power distribution. Four raised feet on the underside may be drilled to allow mounting.

Fixing centres for 86mm. x 86mm. (3, 4 or 6 way) or 146mm. x 86mm. (Mini-Board) front plates.

Fixed units have a 20mm. drilled and plugged hole for mounting of conduit or cable glands.

DIN housing overall dimensions and related mounting dimensions to DIN 43 880, allowing a maximum of 4 modules.

CABLE & PLUG 2, 3 or 4.5m of 1.5 sq. mm. 3 core PVC insulated and sheathed cable to BS6500; coloured grey and terminated in ASTA approved moulded-on fused 13A plug to BS1363/A. The plug top fuse is easily replaced without dismantling the plug. A black glass filled nylon compression gland provides firm cable retention.

SOCKETS

All Aphel units use high quality sockets, portable and standard fixed units use impact resistant socket front plates made with either polycarbonate or mineral filled nylon.

Fixed units requiring specific socket types, such as 5A or switched neon sockets are supplied with ordinary urea formaldehyde front plates. Such units may also be supplied with satin chrome or brushed satin brass front plates.

Dis-Board: 3, 4 or 6, single pole switched or unswitched, 13A, white moulded sockets to BS 1363. Coloured sockets available for 3 or 4 way units.

Mini-Board: 2 twin 13A single pole switched or unswitched sockets to BS1363. White is standard but available in various colours.

INDICATOR Flush fitting red polycarbonate lens, 240V neon with built in resistor.

RATINGS

Internal Wiring:

3, 4 and 6 way units: 2.5 sq. mm. (7/0.67mm) annealed copper conductors, PVC insulated to BS6004 table 1, BASEC approved. Cable ref. No. 6491X, harmonised type H07V-R1. Maximum rating: 24 A

Mini-Board units: 1.5 sq. mm. (7/0.53 mm) annealed copper conductors to the same standards as above. Maximum rating: 17 A

External Cabling:

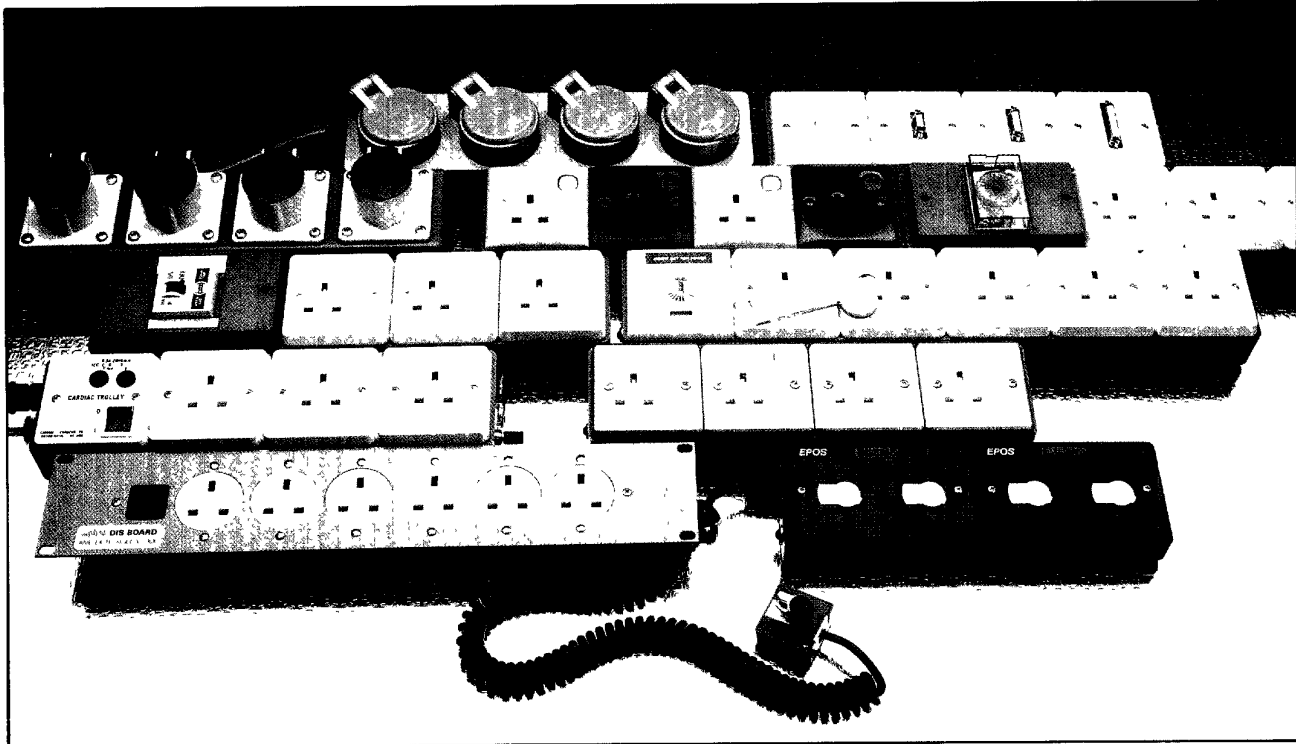
Portable units 13A max.

Fixed units may be wired with a maximum cable size of 2.5 sq. mm. Final unit rating is dependent on installation method, but to a maximum of 24 A.

Note It is important that fixed units are wired by suitably qualified personnel in accordance with the latest edition of the I.E.E. Wiring regulations

Non-standard units

Aphel



NON-STANDARD UNITS

Our non-standard product range includes the following:

Non-standard sockets: 2A, 5A, 15A, IEC, 110V, 13A.

Connection unit: with or without switch and neon fitted in first socket position to protect/control sockets of fixed units.

Dimmers: controlling individual or banks of sockets.

Individually protected sockets: using fuses or MCBs.

Filter Units. A range of units including 16A, 10A, 6A, 3A, with or without surge protection, individually switched or unswitched.

Industrial Units BS196 and BS4343 units (2P & E).

19 inch Rack Mounting Units

Electrak Units For differentiation of 'clean' and normal supplies we provide units fitted with Electrak sockets. These units are available in white or red, with or without inboard filtering, and fitted as required with cable and a 13A plug or Electrak plug.

Outlet units range A wide range is available using either a 3 way or 4 way outlet unit. The units can be fitted with any standard DIN mounting system, not more than 4 modules wide.

e.g.

Circuit protection

- Residual Current Devices (RCD)
- Miniature Circuit Breakers (MCB)
- High current surge protectors

Control Units:

Timer Modules, 24 hr., 7 day, 1 year.

Time Delay relays (allows delayed power application of one or more sockets to protect electronic equipment during power up of a system i.e., computer/printer/plotter/VDU systems).

Low Current/Voltage systems:

A range of front plates with low voltage connectors are available including D-types, co-axial, BNC (for LAN equipment).

Distribution Systems: We will undertake assembly tasks of multiple units connected together for specific applications, such as supplies for laboratory trolleys, lighting systems and so on.

Termination type: All Aphel Dis-Boards are available with termination type and cable length to fit particular requirements.

Contact us now for detailed information on any product, or to discuss your particular requirements.

Aphel

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