



CANFORD MDU1 AC MAINS POWER DISTRIBUTION UNIT - 12x IEC outlet - IEC inlet

This range of twelve-way, IEC outlet, AC mains power distribution panels with a 10 amp IEC inlet is housed in a compact 1U rackmount case. All versions have on the front panel an illuminated power rocker switch or an un-switched neon power present indicator, fuse and dual LED indication of power status for each of the output channels. Inlet and outlets are on the rear panel. Versions with sequential switch-on, with filtered inlet, and with both sequential switch-on and filtered inlet, are available.

The fuses on the front panel have adjacent green and red LEDs. Green illuminated indicates that the circuit is powered correctly. Red illuminated (and green off) indicates that the fuse has failed.

All outputs are numbered front and rear for easy identification and a designation-strip holder with snap-on cover is fitted on the front panel. The paper strips supplied may be inserted before or after installation; 7.5mm of printable height is available. Autocad templates for printing designation strips are available for download from the Tech Zone at www.canford.co.uk or by contacting Technical Support. Spare designation-strip inserts (not suitable for printers) 45-3082 and spare clear covers 45-3092 are available.

Lacing Bars

As IEC cable plugs vary enormously in size and design it is not possible to define a 'universal' connector wire retaining clip. To overcome the challenge of securing all IEC connector types both re-wireable and moulded, a single lacing-bar is fitted as standard. The stainless rods may be fitted in a variety of positions to take account of cable connector size. An additional rod may be ordered separately and fitted, which is particularly suitable where connectors of different heights are inserted or where excess cable must be doubled back. An example would be when 'double ended', fixed length, moulded AC mains cords, such as the IEC-Lock types, are used.

Standard

The front panel has an illuminated switch or un-switched neon indicator, independent outlet fuses with status indicators.

The rear panel has a 10 amp IEC inlet and twelve 10 amp IEC outlets. An earth stud is fitted.

Sequential Switch-on

These are as the standard type but, in addition, to avoid overloading the supply, the outputs are sequentially switched on when power is applied. This delay is vital where a number of pieces of equipment drawing a high 'inrush' current, such as CRTs, power amplifiers or equipment fitted with switch-mode power supplies, are connected to a single MDU. This sequential solution may also be used to switch on equipment in an audio installation prior to the power amplifier to avoid 'clicks' and possible damage to loudspeakers.

The delay between successive outputs is preset at 300mS, but an internal control allows adjustment between approximately 30mS and 660mS. Outputs are switched using relays controlled from a microprocessor. The top cover is user-removable to access the sequential switch-on delay adjustment control.

Filtered

These are as the standard type with a high-performance filter, fitted internally, that helps to protect sensitive electronic components connected to the MDU against mains-borne interference and to reduce the audible effects of spikes and dips in the mains supply.

Sequential Switch-on Plus Filtered

These versions combine the features of the Sequential switch-on and Filtered types.

All types are available finished in Dawn Grey or Black front panels, with either red or green illuminated switch or 'input power present' neon indicator on the front panel.

Mating connectors are NOT included and should be ordered separately as required.

Required accessories:

Input connectors: Bulgin, stock code 42-154 or Schurter, stock code 42-051.

Output connectors: Bulgin, stock code 42-153 or Schurter, stock code 42-054.

Moulded mains leads: A large range are offered, see 'AC Mains Power Leads'.

Locking, moulded, mains leads: Patented, locking IEC leads, see 'AC Mains Power Leads - IEC-Lock'.

Optional accessories:

Switch guard plates, see below.

Additional lacing bar kit.

Technical Specification:

Voltage:	198-254V AC
Maximum outlet load:	10A per outlet
Maximum total load:	10A
Outlet fuses:	10A (T) HBC ceramic, to BS EN 60127
Maximum in-rush current:	100A (MDU-S versions)

Dimensions and weight:

	Depth excluding lacing-bar	Depth including lacing-bar	Weight (maximum)
Standard	130mm	230mm	1.7kg
Sequential	250mm	350mm	4.0kg
Filtered	250mm	350mm	4.0kg
Sequential & Filtered	250mm	350mm	4.0kg

All types are 1U, 19-inch rack mounting, 44 x 483 (h x w) mm.



Switch Guard Plates

A switch guard-plate may be fitted at the time of installation or retrospectively to Canford MDUs to avoid units being accidentally switched off (or on). The central cut-out gives finger access and a clear view of the illuminated switch. Note: 12-way and 14-way MDUs require different switch guards. Available in Dawn Grey or Black.

42-9311	CANFORD MDU1 AC MAINS POWER DISTRIBUTION UNIT Green, grey
42-9312	CANFORD MDU1 AC MAINS POWER DISTRIBUTION UNIT Green, black
42-9313	CANFORD MDU1 AC MAINS POWER DISTRIBUTION UNIT Red, grey
42-9314	CANFORD MDU1 AC MAINS POWER DISTRIBUTION UNIT Red, black
42-9315	CANFORD MDU1S AC MAINS POWER DISTRIBUTION UNIT Switch, green, grey
42-9316	CANFORD MDU1S AC MAINS POWER DISTRIBUTION UNIT Switch, green, black
42-9317	CANFORD MDU1S AC MAINS POWER DISTRIBUTION UNIT Switch, red, grey
42-9318	CANFORD MDU1S AC MAINS POWER DISTRIBUTION UNIT Switch, red, black
42-9411	CANFORD MDU1Q AC MAINS POWER DISTRIBUTION UNIT Sequence, green, grey
42-9412	CANFORD MDU1Q AC MAINS POWER DISTRIBUTION UNIT Sequence, green, black
42-9413	CANFORD MDU1Q AC MAINS POWER DISTRIBUTION UNIT Sequence, red, grey
42-9414	CANFORD MDU1Q AC MAINS POWER DISTRIBUTION UNIT Sequence, red, black
42-9415	CANFORD MDU1SQ AC MAINS POWER DISTRIBUTION UNIT Switch sequence, green, grey
42-9416	CANFORD MDU1SQ AC MAINS POWER DISTRIBUTION UNIT Switch sequence, green, black
42-9417	CANFORD MDU1SQ AC MAINS POWER DISTRIBUTION UNIT Switch sequence, red, grey
42-9418	CANFORD MDU1SQ AC MAINS POWER DISTRIBUTION UNIT Switch sequence, red, black
42-9511	CANFORD MDU1F AC MAINS POWER DISTRIBUTION UNIT Filter, green, grey
42-9512	CANFORD MDU1F AC MAINS POWER DISTRIBUTION UNIT Filter, green, black
42-9513	CANFORD MDU1F AC MAINS POWER DISTRIBUTION UNIT Filter, red, grey
42-9514	CANFORD MDU1F AC MAINS POWER DISTRIBUTION UNIT Filter, red, black
42-9515	CANFORD MDU1SF AC MAINS POWER DISTRIBUTION UNIT Switch filter, green, grey
42-9516	CANFORD MDU1SF AC MAINS POWER DISTRIBUTION UNIT Switch filter, green, black
42-9517	CANFORD MDU1SF AC MAINS POWER DISTRIBUTION UNIT Switch filter, red, grey
42-9518	CANFORD MDU1SF AC MAINS POWER DISTRIBUTION UNIT Switch filter, red, black
42-9611	CANFORD MDU1QF AC MAINS POWER DISTRIBUTION UNIT Sequence filter, green, grey
42-9612	CANFORD MDU1QF AC MAINS POWER DISTRIBUTION UNIT Sequence filter, green, black
42-9613	CANFORD MDU1QF AC MAINS POWER DISTRIBUTION UNIT Sequence filter, red, grey
42-9614	CANFORD MDU1QF AC MAINS POWER DISTRIBUTION UNIT Sequence filter, red, black
42-9615	CANFORD MDU1SQF AC MAINS POWER DISTRIBUTION UNIT Switch sequence filter, green, grey
42-9616	CANFORD MDU1SQF AC MAINS POWER DISTRIBUTION UNIT Switch sequence filter, green, black
42-9617	CANFORD MDU1SQF AC MAINS POWER DISTRIBUTION UNIT Switch sequence filter, red, grey
42-9618	CANFORD MDU1SQF AC MAINS POWER DISTRIBUTION UNIT Switch sequence filter, red, black
42-0005	CANFORD MDU AC MAINS DISTRIBUTION UNIT Additional lacing bar kit
42-0001	CANFORD AC MAINS POWER DISTRIBUTION UNIT SWITCH GUARD For 12 way, grey
42-0002	CANFORD AC MAINS POWER DISTRIBUTION UNIT SWITCH GUARD For 12 way, black