

DYCON DATA



A Product Update for Dycon Dealers & Customers

Dycon G-box



The new G-box is the perfect one-stop-shop for all large access control or security system installations. Totally flexible power options, with or without standby battery charging, and space for 3rd party devices and expansion modules. The G-box, Dycon's largest multi-purpose, steel housing, is available ready-assembled with a range of 12VDC & 24VDC power modules from 1A to 20A, it has space for 2 x 24Ah or up to 4 x 17Ah batteries and a wide range of Dycon accessories yet still has ample space to fit a significant number of 3rd Party modules, without cramping cables or connections.

Pre-drilled holes to reduce installation times

Pre-drilled fixing holes are provided for all standard Dycon peripheral options including 4 & 8-way output splitters, relay output modules, fire interface relays, dual redundancy modules, mains filters, front and back anti-tamper switches, DIN-rails, cable management fittings and IP4x rated safety enclosures. Pre-drilled holes can also be supplied for 3rd Party access control devices such as door controllers, expansion modules and from most leading brands, including Access Security Products™, ControlSoft™, Honeywell™, Lenel™, Mercury™ S2T™, Sensor Access™, Gallagher™ Paxton™ and Vanderbilt™.

You asked us for a Dycon higher power, 'intelligent', PSU

You told us that larger systems needed more power to drive more access controller modules and that also meant more high-power locking devices would need powering. It seems that 8A would be your optimum size and that you would also need more standby battery power so this unit should have the capacity to handle 17Ah, or even 24Ah, batteries not just 8Ah versions.

Introducing the D1558, Dycon's new 8 Ampere 12 V 'Smart' power solution

A 12VDC 8A intelligent, switched-mode power supply unit with a range of larger housings with capacity for up to 4 x 17Ah batteries or 2 x 24Ah. Each unit has an opto-relay output for signalling the status of the unit with PCB-mounted, LED status indicators. The D1558 provides a nominal 12V when powered from a 230V AC supply, with battery backup, it features :

- ON/OFF power switching control input with pull-up, compatible with voltage-free contacts
- Jumper for selecting normally OPEN or normally CLOSED for switched output operation
- ON (OK) LED display indicating normal operation and ON/OFF switching status
- Battery LED indicating standby operation and ON/OFF output switched status
- Fault LED and separate fault opto-relay output for comprehensive fault monitoring
- Battery connection monitoring
- Battery deep discharge protection
- Inductive and capacitive load switching surge protection and snubbing
- Electronic overload protection with automatic reset
- Highly efficient power conversion – better than 84% at full load

[Click](#) to download the D1558 data sheet

[Click](#) to download the D1558 installation manual

See overleaf for details of Dycon's extensive range of D1558 housing solutions and battery options

[Click](#) to download the G-Box data sheet.

Dycon D1558 range & battery options



D1558-C, with a D15X8 8-way splitter feather trunking and a DIN-rail

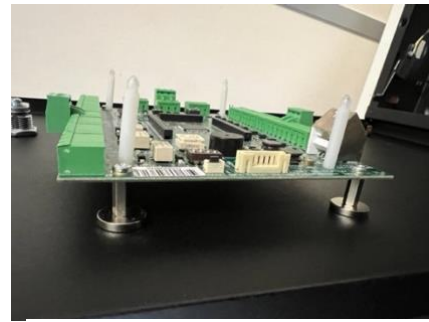
Part No.	Max. Battery Capacity
D1558-A	1 x 8Ah
D1558-B	2 x 8Ah
D1558-XB	2 x 8Ah or 2 x 17Ah
D1558-XLB	2 x 8Ah or 2 x 17Ah
D1558-XLBD	Up to 4 x 17Ah
D1558-C	2 x 7/8Ah or 2 x 17Ah
D1558-E	2 x 7/8Ah or 2 x 17Ah
D1558-G	2 x 24Ah/up to 4 x 17Ah
D1558-W	1 x 1.2Ah or 1 x 8Ah

Dycon believes that the housing is an integral part of making an installation quicker and less prone to failure, and, has developed a range of different options to help an installer choose the right combination. Part of this thinking is ensuring, right at the start, that the power supply chosen has the right dimensions for the job, that it can fit the available wall space, that it will allow easy cable terminations, and, also have sufficient space to fit all requisite batteries. The Dycon comprehensive Housing Range offers solutions to all these issues and more!

Call **+44 (0)1443 471 900** for more details or [click](#) to download the housing data sheet



Attractive finish & supplied with an M3x6 PCB fixing screw



4 x FIX-MAG-01 units fitted to a large PCB & clamped onto the front door of a Dycon XLB

Introducing a new way to fit PCB's to metal housings

Several Dycon installers asked us if there was way of securing additional 3rd party PCB's/controllers into standard Dycon metal housings without having to disconnect the unit and removing it from the wall to drill the holes. Traditionally, installers have had to resort to stock pad fixings to solve this problem. If you've ever tried this, you will know that these pads often lift, or the sticky doesn't last very long. We developed, and extensively tested, the Dycon **FIX-MAG-01** kit to solve this common problem. The kit comprises of 4 complete units, each has a heavy-duty, powerful magnet and a 10mm stand-off with a M3x6 Pozi screw, for fixing the PCB

Easy in-situ fitting

Simply screw the new PCB to the 4 stand-offs, then offer it to the required position in the housing, the powerful magnets do the rest! The Dycon **FIX-MAG-01** does not interfere with anything fitted on a PCB and provides a low-cost, reliable, quick solution to system expansion.

[Click](#) to download the FIX-MAG-01 kit data sheet

To learn more about this or any other Dycon product please go to the website, www.dyconpower.com ([Click](#) here for a quick link). The Dycon website contains details of all Dycon products including data sheets, manuals, drawings, and photos.

If you want to talk to us about any Dycon product, or you have a problem that you need help with
Call +44 (0)1443 471 900



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Dycon leads the security and associated power supply markets, with UK design and manufacture of advanced power products, engineered to provide high quality, cost-effective solutions to meet current regulations and the specific needs of system integrators and end-users.