



DYCON

power solutions

Reliable Power Supplies



The key to reliable security systems

Local Manufacturing

- We have our own ISO9002 Welsh factory- no long shipping delays
- We can build to order and deliver quickly -no long shipping delays
- Our development team works close to our manufacturing process, speeding up product improvements and new ideas

Reliably Powering Security

- Dycon's innovative, switched-mode PSUs drive all types of security systems:-
 - Intruder systems to EN50131 G2, G3 & G4
 - Fire systems to EN54-4
 - Access Control
 - CCTV, both conventional power & PoE
 - BMS



Energy-Efficient

- Dycon has been producing advanced 'green' Switched-Mode PSUs since 2004
- A basic Dycon 1A PSU can save at least 131 KWh of electricity p.a.
- Dycon's EN54 PSU range measures ambient temperature and adjusts battery charge rates accordingly
 - prolonging battery life by up to 12 months

Powering Fire systems

- 3rd Party-certified (Intertek) 24Vdc PSUs to EN54-4
 - 1.5A, 3A and 5A versions
 - 7Ah and 17Ah battery-charging option
 - Measures real-time battery impedance level
 - Accurate voltage, current and system checks
 - Electronic self-resetting fuses
- Unique Innovative Engineer's Data Logger

Innovative Status Monitor

- Optional real-time status monitor shows, in plain text, voltages, current, battery impedance, temperature and much more
- Improves quality and speed of service visits
 - No more need for ammeter readings
- Uses simple English text menus
 - No codes to interpret
- Text changes to **RED** if a problem is discovered

Real Innovation

Genuine monitor screenshots

```
Display Legends
O{n}V:Output{n} Volt
O{n}A:Output{n} Amp
B{n}V:Battery{n} Volt
BCV:Battery Charge V
BCA:Battery Charge A
DGC:Temperature{C}
IMP:Batt. Impedance
BS:Batt. Status
```

```
Fast Sampling (10sec)
01V 25.97    02V 25.95
01A 0.18     02A 0.00
B1V 13.32    B2V 12.66
BCV 25.97    BCA
IMP 0.00     DGC 25.56
BS OK
01 ON 02 ON AC
PSU OK
```


Powering Intruder Alarms

- PSUs to EN50131/PD6662 Grade 2
 - 0.5A, 1A, 2A and 3A
- 'Smart' PSUs EN50131/PD6662 Grade 3/4
 - 1A and 2A
- Full range of un-graded conventional PSUs from 1 to 10A



Powering Access Control

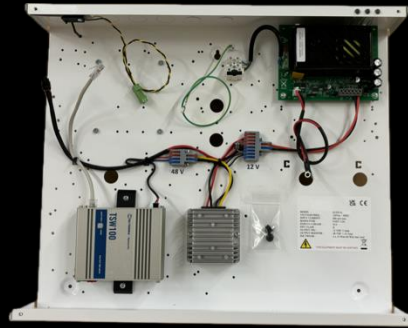
- OEM versions of Dycon PSUs are used by many of the top access manufacturers
- 12Vdc and 24Vdc PSUs from 1A to 5A
- Electronic self-resetting fuses to avoid system downtime and reduce call-outs
- Additional filtering to eliminate 'spikes' from magnetic and electric door locks



Powering CCTV systems

- Full range of normal 12Vdc & 24Vdc PSUs, all operating at 60Hz (reduces spurious camera interference)
 - Battery backed up options
 - Electronic self-resetting fuses
 - Reduces system down time
 - Reduces engineer call-outs
- 27Vac IP66 unit for CCTV outdoor use and control of external/door/gates etc

Powering CCTV systems



- A unique, fully backed up 8A resilient, single-box solution that can drive up to 4 x 30W 48VDC PoE⁺ cameras or other PoE⁺ devices and transmit its data via its integral 5G router
 - Continuously charges its own 17Ah battery

Powering CCTV systems

- 35w Mid-span PoE units
 - 4, 8, 12 and 16-channel options
 - Cost-effective solution for IP peripherals
 - Unmanaged outputs require no programming
- 10 x 1A and 20 x 1A high-power units
 - Rack or desk mountings
 - Only draws current when a load is demanded
 - Outputs can be combined for higher loads





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