



Power Supply Units

G2/G3 Power supply Units

Features:

- Fault outputs
- On Board Rio
- EN50131 Grade 3
- EN50131-6 Type A compliant
- EN50131 Environmental Class II
- Fault Status monitoring
- High Efficiency Circuit Design
- Comprehensive output voltage and current protection
- Deep Discharge Protection
- Lid and Rear Tamperers

Power RIO

This Power RIO (P026-01-B) can be used for the G2-20 & G2-44 panels as well as the G3 range. It is also backwards compatible with the existing Galaxy Classic range. The Galaxy series 3 Power Supply Unit consists of 2 modules, the Power Block and the Control Unit. The PSU can be connected to the G3 control panel via the RS485 (AB) line. The PSU can be used in place of a standard RIO to overcome power problems that arise when the additional RIO is fitted distant to the control panel. A 6-way jumper lead connects the Power Block to the Control Unit.

The PSU has 8 zones and 4 outputs. Addressing is identical to that described for RIO Modules. FAULT OP AC: This is an open collector transistor which is normally off. The output is activated by an AC failure. FAULT OP BAT: This is an open collector transistor which is normally off. The output is activated by a Battery Low or Battery Fail condition. This Power RIO (P026-01-B) can be used for the G2-20 & G2-44 panels as well as the G3 range. It is also backwards compatible with the existing Galaxy Classic range. The Galaxy series 3 Power Supply Unit consists of 2 modules, the Power Block and the Control Unit.

Power Supply Units G2/G3 Power supply Units

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FAULT OP POWER: This is an open collector transistor which is normally off. The output is activated by low voltage present in +12V1, +12V2 or +14.5V.

Battery

The minimum capacity battery to supply the PSU is 1 x 7Ah. The maximum capacity battery to supply the PSU is 2 x 17Ah.

Note: ADT's preferred option is to use 1 x 17Ah battery.

Standby periods for power supplies are:

" Grade 1 and Grade 2 = 12 hours

" Grade 3 and Grade 4 = 24 hours

Standby period for Grades 3 & 4 is halved if PSU Fault is signalled to the ARC.

Technical Specification

Electrical

(Based on 34 AH battery and UK grade 3 compliance)

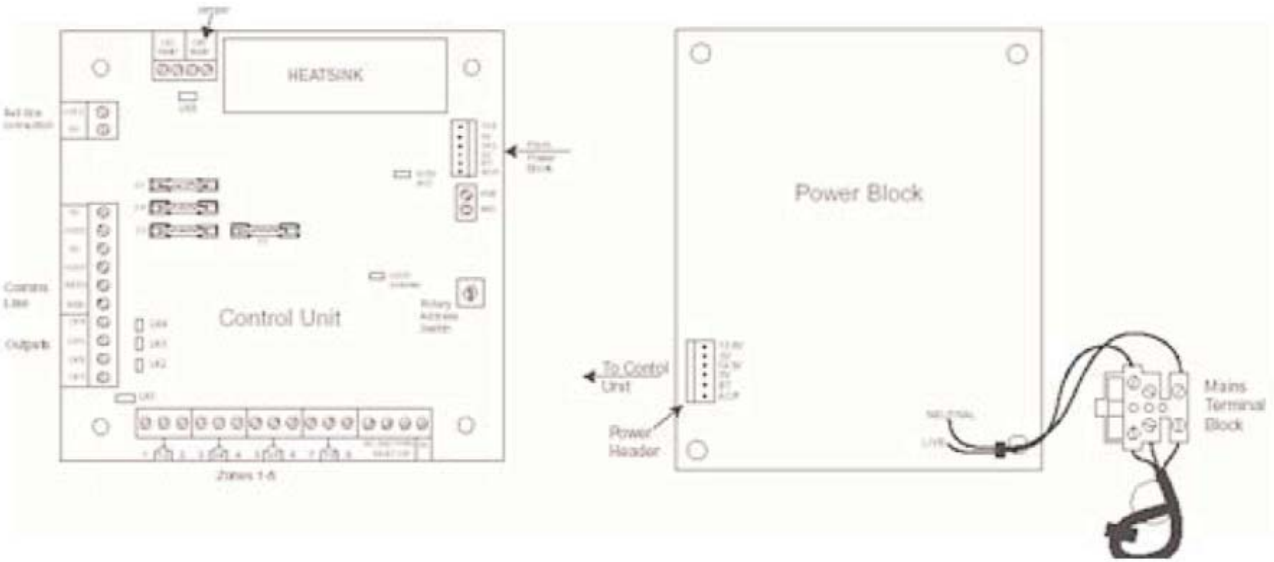
Input voltage	230Vac(+10%/-15%)@50Hz
Output voltage (nominal)	13.8V & 14.5V
Output Current (max)	3.0A
Operating Temp	-10°C to +40°C
Aux 1 & Aux2	
Output voltage (nominal)	13.8V 14.V
Output current	0.15 (when using this current, the AUX1 & AUX2 currents will be reduced by an equivalent amount).
Battery Charge	
Current (max)	1.4A
Maximum ripple voltage	less than 100mV
Fuses	
F1 (14.5V)	500mA - 20mm anti-surge
F2 (Battery)	1.6A - 20mm anti-surge
F3 (Aux1)	1.0A - 20mm anti-surge
F4 (Aux2)	1.0A - 20mm anti surge

Power Supply Units G2/G3 Power supply Units

Product Codes

P026-01-B ICP Galaxy Grade 3 compliant
smart
2.75A PSU with RIO

EN50131 Compliance
This product is suitable for use in systems designed to comply with
EN50131-1:2004
Security Grade - 3
Environmental Class - II
Power Supply Type - A



SPECIFICATIONS

Power Supply Units

The Power RIO can be used for the G2-20 & G2-44 panels as well as the G3 range. It is also backwards compatible with the existing Galaxy Classic range.

The Galaxy series 3 Power Supply unit consists of 2 modules, the Power Block and the Control Unit. The PSU can be connected to the G3 control panel via the RS485 (AB) line. The PSU can be used in place of a standard RIO to overcome power problems that arise when the additional Rio is fitted distant to the control panel.

Note: Standby periods for power supplies are:

- Grade 1 and Grade 2 = 12 hours
- Grade 3 and Grade 4 = 24 hours

Product Codes

EN2-7B	Elmdene EN 50131 Grade 2 PSU in clamshell box for use with all external signalling devices. Uses 7Ah battery.
EN2-17B	Elmdene EN 50131 Grade 2 PSU in clamshell box for use with all external signalling devices. Uses 17Ah battery
EN3-7B	Elmdene EN 50131 Grade 3 PSU in clamshell box for use with all external signalling devices. Uses 7Ah battery
EN3-17B	Elmdene EN 50131 Grade 3 PSU in clamshell box for use with all external signalling devices. Uses 17Ah battery
P025-01B	Honeywell Grade 2/3 2.75A PSU without a RIO Provides equal current for power output and battery charging. Sits on the data bus.
P026-01-B	Honeywell Power Rio. Grade 2/3 2.75 PSU with a RIO. Provides equal current for power output and battery charging. Sits on the data bus.

Technical Specifications

Product	Case Size	Max Output	Battery Size	EN 50131	Size
				Grade	H/W/D
EN2-7B	B	1Amp	7Amp	2	330 x 355 x 80MM
EN2-17B	B	1.4Amp	17Amp	2	330 x 355 x 80MM
EN3-7B	B	1Amp	7Amp	3	330 x 355 x 80MM
EN3-17B	B	1.4Amp	17Amp	3	330 x 355 x 80MM
P026-01-B	B	2.75	17AMP	3	330 x 355 x 80MM
P025-01-B	B	2.75	17AMP	3	330 x 355 x 80MM

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