PowerG + Input/Output Module

Extended Control. Enhanced Capability.

Increased Control
Add control of third-party devices while maintaining secure PowerG + communication

Clear Visual Indicators
LED indicators simplify signal strength assessment

Battery Pull Tab
Save valuable time during installation once the pull tab is removed and the device enters pairing mode

Battery Level Reporting
Monitor the battery percentage of your device to help maintain uninterrupted protection.

Dealer Lockdown
Enable dealers to lock PowerG + devices for takeover protection

Superior Flexibility
Choose between the two inputs/two outputs configuration or four inputs configuration.

IQ   PowerG+   VISONIC   DSC   Johnson Controls

SPECIFICATIONS

Frequency Band	868 to 869 MHz, 912 to 919 MHz
Maximum Tx Power	+14 dBm @ 868 MHz, +14 dBm @ 915 MHz
Modulation	GFSK
Communication Protocol	PowerG
Battery Type	3 V Lithium CR123A manufactured by GP or Duracell only
Battery Life	3 years (typical use) for two inputs and two outputs configuration 5 years (typical use) for four inputs configuration
Low Battery Threshold	2.4 V at room temperature 25°C (77°F)
Nominal Operating Voltage	3 V
Minimum Current	2 uA
Maximum Current	70 mA
Operating Temperature	0°C (32°F) to 49°C (120°F) UL/ULC evaluated
Storage Temperature	-20°C (-4°F) to 70°C (158°F) Not UL/ULC evaluated
Relative Humidity	Up to 93% non-condensing
Inputs	Wire Resistance: Up to 100 Ω. Wire Capacitance: Up to 1nF (maximum distance of 10 meters from the unit for 20 to 22 AWG cable) EOL supervision resistors (optional): 5.6 KΩ, can be field calibrated within the range of 2.5 KΩ to 12 KΩ
Outputs	Up to 15VDC (OFF state, open loop, ~20uA leakage current). Up to 1A (ON state, close loop, ~0.25V terminals dropout)
Dimensions (LxWxD)	89 mm x 37 mm x 30 mm (3.5 in. x 1.5 in. x 1.2 in.)
Weight (Including Battery)	53 g (1.9 oz)
Color	White
Certification	PGP-IO9 FCC (912 to 919 MHz): 47CFR part 15.427 ISED (912 to 919 MHz): RSS-247 UL/ULC: UL 634, ULC/ORD-C634, UL 985, ULC-S545, UL 1023, ULC S304, UL 2610
	PGP-IO8 EN 300220, EN 301489, EN 50130-4, EN 50130-5, EN 61000-6-3, EN 62368-1, EN 50131-1, EN 50131-3, EN 50131-5-3 Grade2, Class II and EN 50131-6 Type C UK: is suitable for use in systems installed to conform to PD6662 at Grade 2 and environmental class II, DD243 and BS8243

MODEL VARIATIONS

PGP-IO9	PowerG + Input/Output Module, 912 to 919 MHz
PGP-IO8	PowerG + Input/Output Module, 868 to 869 MHz
ioXpander 2x2 P8M0	PowerG + Input/Output Module, 868 to 869 MHz, Visonic
ioXpander 2x2 P8M1	PowerG + Input/Output Module, 868 to 869 MHz, Visonic, UK
BW-IO	PowerG + Input/Output Module, 868 to 869 MHz, Bentel