



PowerG + Input/Output Module

Extended Control. Enhanced Capability.



Increased Control

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



Battery Life Reporting

Monitor the battery percentage of your devices.



Clear Visual Indicators

LED indicators simplify signal strength assessment.



Dealer Lockdown

Enable dealers to lock PowerG + devices for takeover protection.



Battery Pull Tab

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



Two-Factor Authentication

Enroll devices using a PIN code when connecting to panels compatible with PowerG +.



PowerG+

DSC



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
Auxiliary Input	EOL Resistor 5.6 KΩx
Certifications	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
Part Number(s)	PGP-IO9 - NA PGP-IO8 - EMEA

