

AC Power Unit for Series Panel Reader Model PW406, PW407, and PW408



General Description

The Allflex AC Power Unit for the Panel Reader provides DC operating voltage and power/data cable termination for the Allflex series of Panel Readers. Three models are available with output voltages of either 6 volts DC or 12 volts DC, and with different power ratings for powering one or more Panel Readers. The AC Power Unit is packaged in a gray polyester powder coat finish 16 gauge steel enclosure, compliant with NEMA type 12 environmental rating and IP65 ingress protection. Water-tight cable clamps provide entry for cables for the Panel Reader, AC power, and data communications. The AC Power Unit can be switched selected for either 120VAC or 240VAC operation at 50/60 Hz, and is double fuse protected. An AC line noise filter suppresses entry of electrical transients from other electrical machinery that might be present in the installation environment, preventing such noise from compromising Panel Reader performance. Screw terminal connecting blocks are mounted inside for terminating and connecting data and power cable wiring. The AC Power Unit is provided with a 1 meter long AC power cable installed. AC input power can be connected to the AC Power Unit using an AC mains cable equipped with an IEC 320/C14 male plug on the Power Unit end, and with a locally compatible AC mains connector on the opposite end.



Construction

The Allflex AC Power Unit measures 10.0"H x 8.0"W x 4.0" (25.4cm H x 20.3 cm W x 10.2 cm D) and weighs between 12 and 14.5 pounds (5.5kg and 6.6 kg), depending on the AC Power Unit's output power rating. The steel enclosure features a convenient hinged access door equipped with a gasket seal, which is secured with screw-down clamps. Steel mounting flanges located on the rear surface of the enclosure provide an easy means for mounting the AC Power Unit on a vertical surface. The enclosure's environmental rating NEMA Type 12 qualifies for installation in most indoor sites where dirt, dust, and spraying or dripping water and petrochemicals may be present. For permanent outdoor installations and severe indoor environments, a suitable secondary over-enclosure is recommended for added protection against pressure sprayed water and cleaners, windblown dirt and dust, and ice formation.

Ordering Information

SKU	Description
PW406	Panel Reader Power Supply – 6VDC @ 3A
PW407	Panel Reader Power Supply – 6VDC @ 6A
PW408	Panel Reader Power Supply – 12VDC @ 3.4A

Allflex USA, Inc.

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SPECIFICATIONS	PW406	PW407	PW408
GENERAL			
Output Rating:	6 Volts DC @ 3.0 Amps.	6 Volts DC @ 6.0 Amps.	12 Volts DC @ 3.4 Amps.
Input Voltage:	120/240 VAC ± 10% @ 50/60 Hz		
Cable Entry:	3 PG9 Cable Clamps (IP68 Rated) compatible with cable diameter 0.1" to 0.32" (2.5mm to 8.0mm)		
AC Power Connection:	1 meter long / 3-conductor cable with IEC 320/C14 male receptacle		
Wiring Termination:	Two 2 x 6 Euro-block screw-down terminal blocks for power and data wiring		
Output Indication:	Internal green LED indicator		
Agency Certifications:	UL1950 / CSA C22.2 No.950 L3 / CE EN60950 (power supply unit) UL 50 File E27567 / NEMA Type 12 / CSA File LL42184 / IEC 60529 (IP65)		
PHYSICAL/ENVIRONMENTAL			
Dimensions:	10.0"H x 8.0"W x 4.0" (25.4cm H x 20.3cm W x 10.2cm D)		
Weight:	12.0 lbs (5.5 kg)	14.5 lbs (6.6 kg)	14.5 lbs (6.6 kg)
Enclosure Material:	16 gauge steel with polyester power coat finish		
Color:	ANSI 61 Gray		
Operating Temperature	-0°C to + 50°C		
Storage Temperature	-40°C to + 85°C		
Humidity:	0 to 95%		
Altitude:	-100 to +3,000 meters		
Mechanical Shock:	Per IEC 68-2-27		
Vibration:	Per IEC 68-2-6		
Hermeticity:	IP-65 (dust- protected / low pressure water protected) per IEC 529		
RELIABILITY			
MTBF:	200,000 hours		
MTTR:	0.5 hours		
Expected Life:	5 years		
APPLICATION COMPATIBILITY			
PNL2530-3 (Small):	1 to 2 Panel Readers	1 to 3 Panel Readers	1 to 2 Panel Readers
PNL4060 -3 (Medium):	1 Panel Reader Readers	1 to 3 Panel Readers	1 to 2 Panel
PNL60120-3 (Large):	1 Panel Reader Readers	1 to 2 Panel Readers	1 to 2 Panels

