



REMOTE POWER OUTLET 1225

Worldwide at-seat AC power

IFPL designed the Universal Remote Power Outlet 1225 to deliver 110V AC power to passengers' devices; enabling passengers to use and charge their own mains powered electronic devices, e.g laptops, smartphones and DSLR cameras. This unit has been in service for some years and meets ARINC 628 part 2.

The Universal Remote Power Outlet is designed to accept a broad range of worldwide consumer AC plugs in one single unit, therefore removing complexity and the number of onboard power sockets required. Compatible plugs include North and South American, UK, European and Asian Pacific standards. IFPL's 1225 unit includes a number of key safety features:

- Safety interlocks that prevent single entry (objects) being inserted into either the live or neutral contacts and only allow

power to be delivered if pins are inserted evenly (i.e. a plug)

- An LED illuminates to indicate availability of power

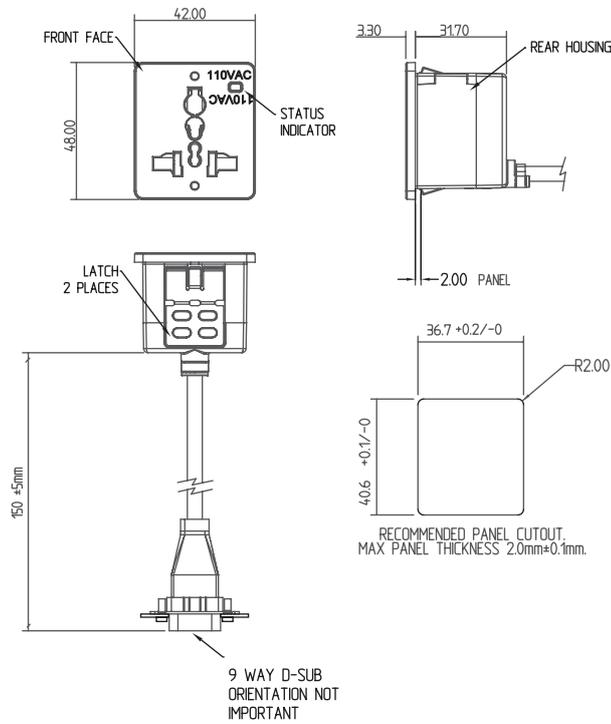
This robust unit is designed using materials proven in service. Additionally, the unit has been designed to allow simple and quick on-wing replacement.

CUSTOMER SATISFACTION

- Universal AC Remote Power Outlet designed to accept a broad range of worldwide consumer plugs
- Provides 110V AC power, enabling passengers to use and charge their electronic devices

AIRLINE PROPOSITION

- Single compact universal unit meeting passenger AC power needs
- Multiple safety features to ensure safe operation
- Designed for easy on-wing replacement
- High reliability with a predicted MTBF of 90,000 flight hours



1225 TECHNICAL SPECIFICATION

IFPL is an innovative award winning company specialising in the design and manufacture of passenger interface solutions to the global In-flight Entertainment and Connectivity (IFEC) industry.

Twice winner of the prestigious Queen's Award for Enterprise, we are unique in our ability to combine industry leading innovation with manufacturing excellence; through comprehensive in-house capability that enables our clients to work closely with us in transforming ideas, from concept to prototype and then delivered as industrialised, certified and production ready solutions.

PART		
Name	Remote Power Outlet	
Number	1225	
ELECTRICAL CHARACTERISTICS		
AC passive pass-through (use with GFI/RCD in supply PSU)	110VAC +/- 10%, 60 Hz 150VA Max	
LED Status Indicator	Off	System un-available
	Green	AC power available
	Red	AC power un-available
COLOUR		
Standard	Black	
Customisable?	Yes	
OPERATING TEMPERATURE		
Typical	+15°C to +25°C	
Functional	-15°C to +55°C	
MECHANICAL CHARACTERISTICS		
Plug Insertions (ARINC 628 Part 2, Section 2.2.14.2.10)	>30,000	
Insertion Force	20N - 35N	
Extraction Force	Force varies depending on plug type	5N - 35N
Weight	60g max	
Panel Cut-out	Clamped into aperture	
AIRFRAME CONNECTION		
Pigtail Fixing	Standard	9 way D-Sub male
	Customisable?	Yes
COMPATIBLE PLUGS		
1-15P (2-terminal polarized and 2-terminal non-polarized) and NEMA 5-15P (3 terminal) and European (European norm reference EN 50075:1990 and DIN 49441) CEE 7/7 & 7/16 (Europe). BS1363 (UK) Per ARINC 809 Section 2.2.14.3.2.		

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