



RV-HYB-PSU INSTALLATION SHEET

- F2 Camera Fuse
3.15A Fast-Blow
- F1 Mains Input Fuse
T3.15A Anti-Surge
- 240VAC Input (P1)
- Analogue connections
- Ethernet connection
- Camera Head connections (PL3, PL6, PL8)
- 4x Corner Fixing Holes

Safety

Isolate PSU from Power source at all times during installation. Do not remove the metal cover, this protects against high-voltage components.

Fixing the PSU

Remove the PSU lid by releasing the 4 plastic fixings. Attach the PSU with 4 suitable fixings in the 4 corner access holes (fixing screws not supplied). Glands must face downwards; all unused glands must be sealed.

Electrical Connections

MAINS INPUT 100-240V AC 50/60Hz

Input Power Connections (PL1)		
PCB ID	Colour	Function
L	Brown	Mains Live Connection
N	Blue	Mains Neutral Connection
E	Green/Yellow	Earth Connection

Junction Box Dimensions (with lid fitted):
L: 230mm W: 140mm D: 100mm
(Add 25mm to length to allow for glands)

SAFETY: ENSURE MAINS INPUT AND EARTH CONNECTIONS ARE SECURELY STRAIN RELIEVED.

Camera Connections (PL3, PL6, PL8)

Connector	Ident	Wire Colour	Signal
PL3 (Read L~R)	+24VDC	Red	Camera +24VDC
	+24VDC	Red	Camera +24VDC
	0V	Black	Camera DC GND
	0V	Black	Camera DC GND
	GND	Drain Wire	Camera Chassis GND
PL8 (Read L~R)	TxN	Orange	Ethernet Data TX-
	TxP	Orange/White	Ethernet Data TX+
	RxN	Green	Ethernet Data RX-
	RxP	Green/White	Ethernet Data RX+
PL6 (Read L~R)	RS485A	White	RS485A
	RS485B	Orange	RS485B

Control Connections (PL5)

Ident	External
VID	Coax Signal (BNC SK1)
VIG	Coax Screen
RS485A	RS485A
RS485B	RS485B

Fuse Protection

F1	Mains Input 3.15A Anti-Surge
F2	Camera Fuse 3.15A Fast-Blow

Power Input Specification

Input:	240VAC nominal, 0.3A (100-250V AC), 50/60Hz
Output:	24VDC Regulated, 3A

Network Connection

Ethernet 100BASE-T for connection; Cat5e, wired to T568A or T568B. Max. Ethernet distance of PSU to network switch is **100m**.

Warning! Only use Redvision supplied umbilical cables. Warranty will be void if these cables are extended between the camera and the PSU. This could also compromise safety.