

RVX2-PSU (Standard) INSTALLATION SHEET

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 (P1)

PCB ID	Colour	Function
L	Brown	Mains Live Connection
N	Blue	Mains Neutral Connection
EARTH	Green/Yellow	Earth Terminal Screw

Junction Box Dimensions (with lid fitted):

L: 230mm W: 140mm D: 100mm
(Add 25mm to length to allow for glands)

EARTH CONNECTION REQUIRES 4mm RED SPADE LOOP (SUPPLIED WITH PSU) TO BE FITTED BY ENGINEER AT INSTALLATION. SAFETY: ENSURE MAINS INPUT AND EARTH CONNECTIONS ARE SECURELY STRAIN RELIEVED.

Camera Connections (P2 & P3)

Connector	Ident	Wire Colour	Signal
P2 (Read L~R)	GND	Drain Wire	Camera Chassis GND
	0V	Black	Camera DC GND
	+24VDC	Red	Camera +24VDC
P3 (Read L~R)	RXP	Blue/White	Ethernet Data RX+
	RXN	Blue	Ethernet Data RX-
	TXP	Orange/White	Ethernet Data TX+
	TXN	Orange	Ethernet Data TX-

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, 3.2A

Network Connection

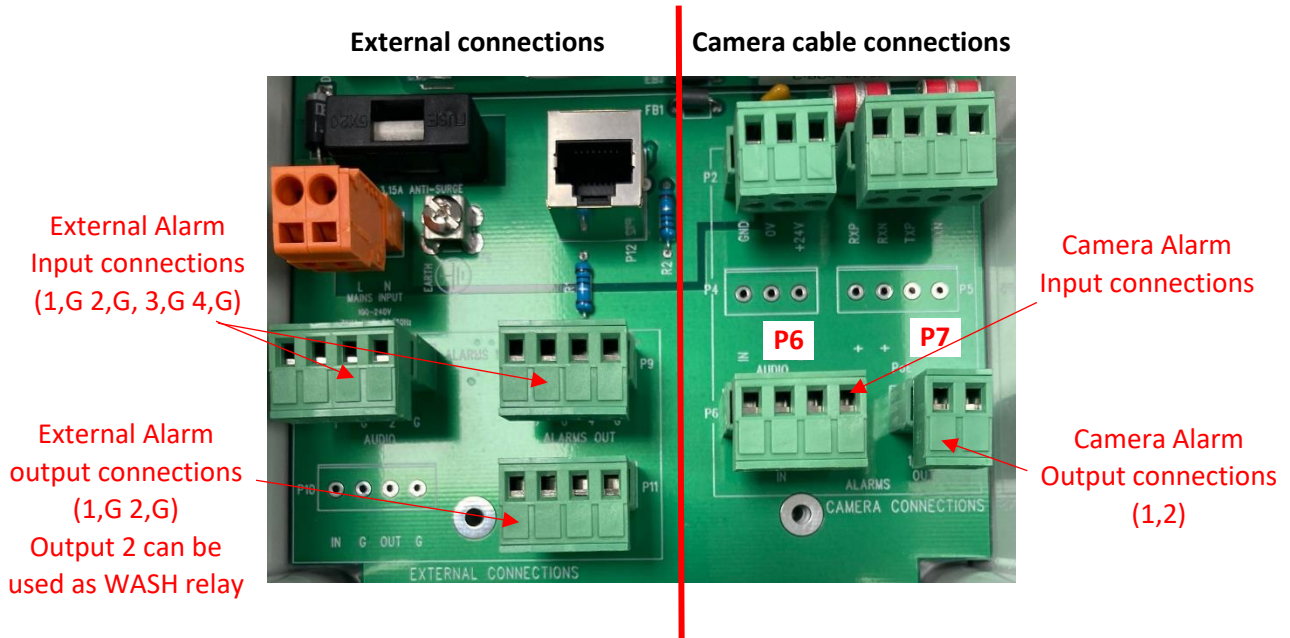
Ethernet 100BASE-T for connection; Cat5e, wired to T568A or T568B. Max. Ethernet distance of PSU to network switch is **100m**.

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.

Alarm model connections

The RVX2-PSU provides voltage-free alarm input and output connections, for use with the RVX2-ALM cameras. The PSU circuit board is divided into two sections: Camera connections (for the umbilical cable) are located on the right-hand side of the circuit board, with external connections (PIR/ Door contact etc.) on the left. Alarm output 2 is used for the WASH function if this is required:

NOTE: The input and output contacts are logic-switching and must not pass any current through them! Use as simple open/closing contacts only!



Camera cable connections:

	Connector	Pin	Signal	Pin
Inputs	P6	White/Red	Alarm IN 1	1
	P6	White/Yellow	Alarm IN 2	2
	P6	White/Grey	Alarm IN 3	3
	P6	White/Black	Alarm IN 4	4
Outputs	P7	Pink	Alarm OUT 1	1
	P7	Green	Alarm OUT 2 (Wash relay)	2

External alarm connections:

	Connector	Pin	Signal
Inputs	P8	1	Alarm IN 1 Signal
		G	Alarm IN 1 Ground
	P9	2	Alarm IN 2 Signal
		G	Alarm IN 2 Ground
	P9	3	Alarm IN 3 Signal
		G	Alarm IN 3 Ground
Outputs	P11	4	Alarm IN 4 Signal
		G	Alarm IN 4 Ground
		1	Alarm OUT 1 Signal
		G	Alarm OUT 1 Ground
		2	Alarm OUT 2 Signal
		G	Alarm OUT 2 Ground