



## RVX-PSU-ALM16 INSTALLATION SHEET

### PSU with 16 Alarm Inputs

This PSU is compatible with the following Redvision X-SERIES Cameras: RVX20 and RVX30.

### Safety

Isolate mains whilst working on any part of this PSU. Metal cover should not be removed. This protects high voltage components.

### Fixing the PSU

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

### Electrical Connections

#### Connecting the mains power.

MAINS INPUT 100-240v 47-63Hz

L	LIVE (BROWN) 110/230Vac	
N	NEUTRAL (BLUE)	Connection via 2 way terminal block
EARTH	GREEN/YELLOW	Connection via terminal screw

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.

Dome Connections	
PCB ID	CAMERA
0V	Black and Cable Screen
24V dc	Red
RS 485 B	Orange
RS 485 A	White
V_GND	Coax Screen
VIDEO	Coax Signal (BNC P7)

Control Connections	
PCB ID	EXTERNAL
RS 485 B	RS 485 B
RS 485 A	RS 485 A
V_GND	Coax Screen
VIDEO	Coax Signal (BNC P6)

## RVX-PSU-ALM16

### Switch Settings

S5 CONFIG (Protocol/baud rate termination switch)

	Protocol			Baud Rate			RS 485 Termination			
	1	2	3	4	5	6	7	8		
BBV Coax	0	0	0	2400	1	0	NOT	NOT	ON	1
Pelco P	0	1	0	4800	0	1	used	used	OFF	0
Pelco D	1	1	0	9600	0	0				
Dennard	1	0	1	19200	1	1				
Vista	0	0	1							
Bosch/ForwardVision	0	1	1							
BBV 422	1	1	1							

### S3,S4 (Normally Open/Normally Closed alarm inputs)

S3 NO/NC alarms 1-8

S4 NO/NC alarms 9-16

### Alarm Inputs

16 Alarm inputs, 16 ground inputs

### Alarm Outputs (3 relay outputs)

3 Alarm outputs; WASH, ALARMS, AUX. NO/NC 0V relay contacts

### Fuse Protection

F1 Mains input fuse 3.15A anti surge

F2 Camera fuse 3.15 A fast blow

### WARNING

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