

ALARM/WASH
/AUX RELAY
OUTPUTS

CAMERA
CONNECTION

NETWORK
CONNECTION

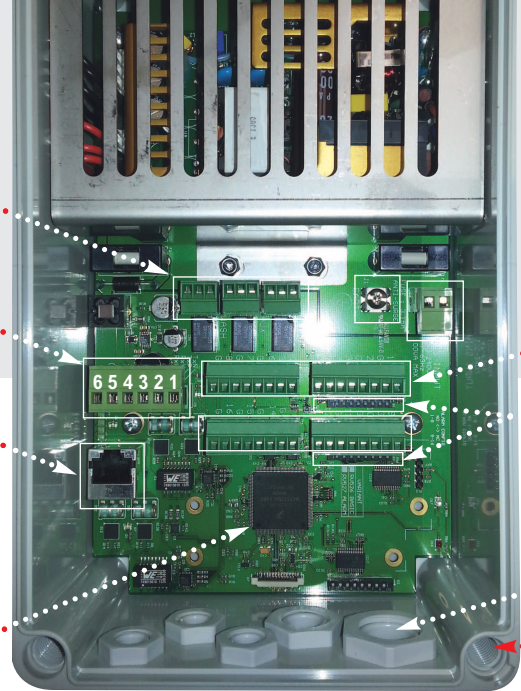
WIRELESS
CARD (optional)

ALARM
INPUTS

ALARM
CONFIG
SWITCHES

CONFIG
SWITCH

FIXING
POINTS x4



RVIP-PSU-ALM16 INSTALLATION SHEET

PSU with 16 alarm inputs, compatible with the following Redvision X-SERIES Cameras:
RV30-720 and RV30-1080.

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 corner access holes (fixing screws not supplied). Glands must 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)	Mains Input Connector
EARTH	GREEN/YELLOW	Earth 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. (6 way Terminal Block)

Pin No.	WIRE COLOUR	SIGNAL
1	Blue	TxN
2	Blue/White	TxP
3	Orange	RxN
4	Orange/White	RxP
5	Red	24Vdc
6	Black	GND

Fuse Protection

F1	Mains input fuse 3.15A anti surge
F2	Camera fuse 3.15 A fast blow

Network Connection

Ethernet 100BASE-T for connection Cat 5 wired to T568A or T568B Cable run PSU to Hub 50 metres.
For longer runs the RVIP-ALARM series PSU's includes a repeater for up to 100 metres.

RVIP-PSU-ALM16

Alarm Inputs

Via 4 off 8 way connectors P16,P17,P18,P19

16 alarm inputs IDENT 1-16 , 16 Ground inputs IDENT G

The alarm inputs are 'volt free' and MUST NOT be connected to any power contacts. Permanent damage may result from failure to correctly connect the alarm inputs.

NOTE: The Alarm Ground inputs are all common and connected to the PSU ground.

ALARM CONFIGURATION SWITCH SETTINGS

S1: NO/NC alarms 1-8

S2: NO/NC alarms 9-16

In each case, set the switch to ON for Normally Open operation, and off for Normally Closed.

AUXILIARY/ALARM OUTPUTS

Three sets NO/NC Auxiliary output contacts (ALARM/AUX/WASH).

Each set of contacts isolated and useable for any circuitry with the following limitations:

Rated Load	:	0.5A @ 125Vac / 1.0A @ 24Vdc Resistive
Max. carrying current	:	2 A
Max. switching current	:	1A
Max. switching power	:	30W

WARNING

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