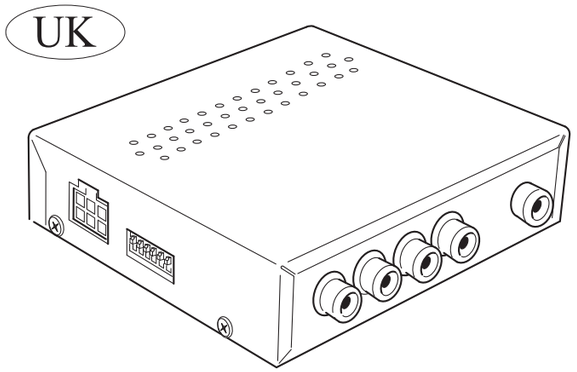
Cod. 6012.6014/UK Ed. 04/2008

SPAL AUTOMOTIVE

UK



MULTIVISION

12V

Cod. 3510.0021

MULTIVISION is a unit that permits displaying up to 4 inputs on the same monitor.

To ensure the correct operation of the system, follow the indications provided in the following manual.

INSTALLATION NOTES

Can be installed on all types of vehicles with 12 V supply and earthed negative.
The unit must be installed inside the vehicle.
Carefully read the following instructions and technical specifications.
To install, follow the instructions in the “Vehicle use and maintenance” booklet.

⚠ Only make the connections AFTER disconnecting the vehicle battery.

⚠ This product must be fitted by a professional installer.

⚠ Any change or addition to the system not expressly shown in this manual shall invalidate the warranty.

⚠ Do not position the unit, the sensors or the wires close to heat sources such as engine or vehicle exhaust system.

⚠ Do not expose the unit to jets of water.

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TECHNICAL SPECIFICATIONS — A

Power supply: ..... 6 V - 18 V CC
Input: ..... 470 mA
Operating temperature: ..... -20°C ÷ +70°C
Video system inputs: ..... PAL / NTSC
Video system output: ..... PAL or NTSC
Control unit protection degree: IP30
Dimensions: ..... 105 x 101 x 29 mm

DESCRIPTION OF OPERATION — B

By correctly connecting the S1 and S2 control signals and the video inputs (presence or absence of signal), the Multivision unit displays the desired video inputs at the same time on the monitor.

By means of the DIP-SWITCH on the unit, the following adjustments can be made:

1. Start the **mirror** function individually on each input.
2. Select the **image format** displayed on the monitor.
3. Select the **standard video** at output

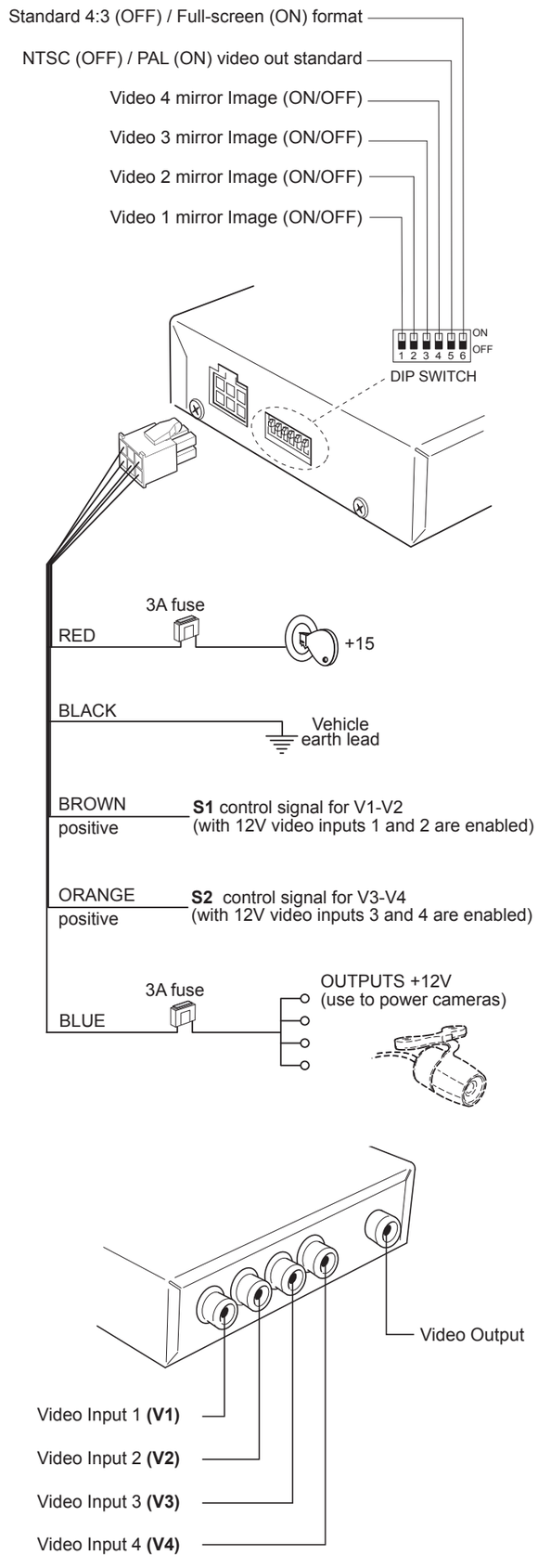
Operation of these adjustments is described in section C.

DIP-SWITCH OPERATION — C

PIN	STATE	DESCRIPTION	
1	ON	Mirrored image	**Video 1**
	OFF	Normal image	
2	ON	Mirrored image	**Video 2**
	OFF	Normal image	
3	ON	Mirrored image	**Video 3**
	OFF	Normal image	
4	ON	Mirrored image	**Video 4**
	OFF	Normal image	
5	ON	Standard PAL video output	
	OFF	Standard NTSC video output	
6	ON	**Full-screen** image format	V1 V2 / V1 V2 V3
	OFF	**Standard** image format **(4:3)**	V1 V2 / V1 V2 V3

NOTE: if the video output is connected to an **auto-switch monitor**, the standard NTSC video output is best selected (pin 5 = OFF).

WIRING DIAGRAM — D



VIDEO INPUT SETTING — E

DISPLAY 1 VIDEO INPUT

	V1	V2	V3	V4	S1	S2
a	**ON**	OFF	OFF	OFF	**12V**	NC
b	OFF	**ON**	OFF	OFF	**12V**	NC
c	OFF	OFF	**ON**	OFF	NC	**12V**
d	OFF	OFF	OFF	**ON**	NC	**12V**

DISPLAY 2 VIDEO INPUTS

V1 V2

	V1	V2	V3	V4	S1	S2
a	**ON**	**ON**	OFF	OFF	**12V**	**12V**
b	**ON**	**ON**	OFF	OFF	**12V**	NC
c	**ON**	**ON**	**ON**	**ON**	**12V**	NC

V3 V4

	V1	V2	V3	V4	S1	S2
a	OFF	OFF	**ON**	**ON**	**12V**	**12V**
b	OFF	OFF	**ON**	**ON**	NC	**12V**
c	**ON**	**ON**	**ON**	**ON**	NC	NC

V1 V3

	V1	V2	V3	V4	S1	S2
a	**ON**	OFF	**ON**	OFF	**12V**	**12V**

V1 V4

	V1	V2	V3	V4	S1	S2
a	**ON**	OFF	OFF	**ON**	**12V**	**12V**

V2 V3

	V1	V2	V3	V4	S1	S2
a	OFF	**ON**	**ON**	OFF	**12V**	**12V**

V2 V4

	V1	V2	V3	V4	S1	S2
a	OFF	**ON**	OFF	**ON**	**12V**	**12V**

DISPLAY 3 VIDEO INPUTS

V1 / V2 V3

	V1	V2	V3	V4	S1	S2
a	**ON**	**ON**	**ON**	OFF	**12V**	**12V**

V1 / V2 V4

	V1	V2	V3	V4	S1	S2
a	**ON**	**ON**	OFF	**ON**	**12V**	**12V**

V1 / V3 V4

	V1	V2	V3	V4	S1	S2
a	**ON**	OFF	**ON**	**ON**	**12V**	**12V**

V2 / V3 V4

	V1	V2	V3	V4	S1	S2
a	OFF	**ON**	**ON**	**ON**	**12V**	**12V**

DISPLAY 4 VIDEO INPUTS

V1 V2 / V3 V4

	V1	V2	V3	V4	S1	S2
a	**ON**	**ON**	**ON**	**ON**	**12V**	**12V**

KEY

ON : camera / DVD / other **switched-on** device signal
OFF : camera / DVD / other **switched-off** or **not-connected** device signal
12V : control **connected to a +12V positive** signal
NC : control **not connected** signal
a,b,c,d : display selection