

INSTALLATION MANUAL



The resi-linx[®] RL-VS11 universal video sensor is designed to give you video status of a source device when sensing either Composite (CVBS) or Component (Y or Green) video presence. This feedback will allow you to trigger other events based on the status feedback of the sensor.

The sensor works in two simultaneous modes, and can also be used individually.

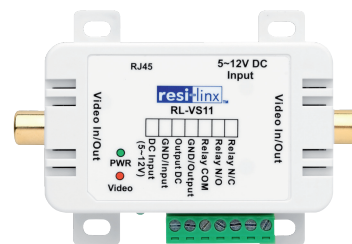
- 1 - Voltage trigger output upon sensing of video signal
- 2 - Dry Contact Relay upon sensing of video signal

eg. The sensor can deliver a 5-12 volt trigger to a Philips Pronto RFX9600 extender / processor allowing the Pronto control system to sense the status of a set top box. At the same time it can also trigger the dry contact relay to turn on a fan, see examples overleaf.

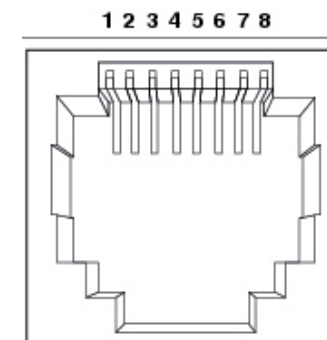
Features

- Philips Pronto Approved
- Universal video sensor
- Can be powered directly from Pronto RFX9600 or 5-12VDC power supply – PS1 (not supplied)
- Buffered video in/out
- Supports composite and component video inputs & pass through
- RJ45 input for installation up to 50m from RFX9600
- Normally open & normally closed relay contact closure (max. 24 volts @ 2 amp)

Front view



Pin configuration of RJ45 socket



Pin/Function	568A wiring	568B wiring
1. DC in (5-12v)	Green & White	Orange & White
2. GND	Green	Orange
3. Switched DC output	Orange & White	Green & White
4. GND	Blue	Blue
5. Relay common input	Blue & White	Blue & White
6. Relay normally open	Orange	Green
7. Relay normally closed	Brown & White	Brown & White
8. Not used	Brown	Brown

CAT5 can be used for cable runs of up to 50m using the RJ45 socket.

WARRANTY

Vcomm Pty Ltd states that the warrant that the customer can rely on is that provided by the manufacturer. In the event of any warranty claim please contact us and we will forward it to the manufacturer. The manufacturer will then determine the extent of their liability. This expressly negates, to the extent possible by Australian law, any warranty reliance on Vcomm Pty Ltd.



Philips Pronto example

The RL-VS11 video sensor can be used in numerous ways that allows the Pronto control system to send IR or RS232 control commands based on the status of the device the sensor is connected to.

Example 1: Sensing the status of a Set-Top-Box with toggle power control

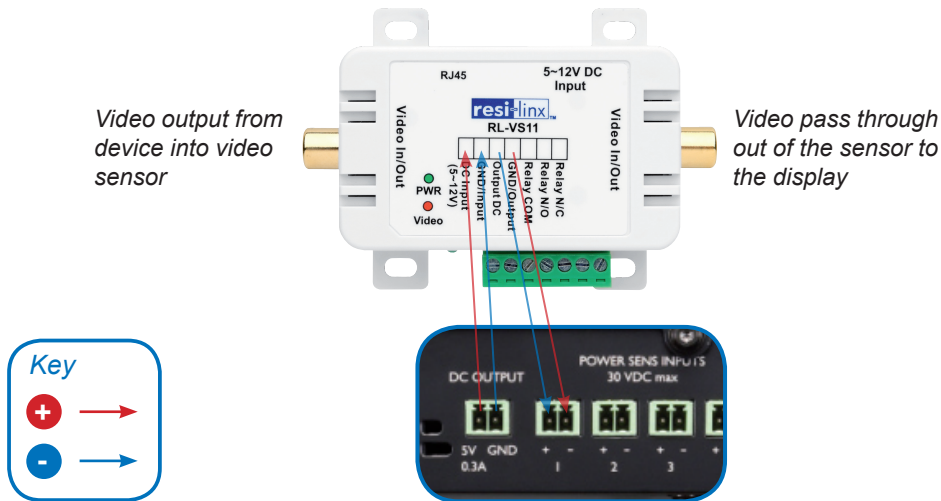
When connected to a set-top-box the video sensor will tell the Pronto whether the set top box is on or off. This can be used to discretely control the power on/off toggle.

Example 2: Sensing the status of a Flatscreen TV with discrete power control

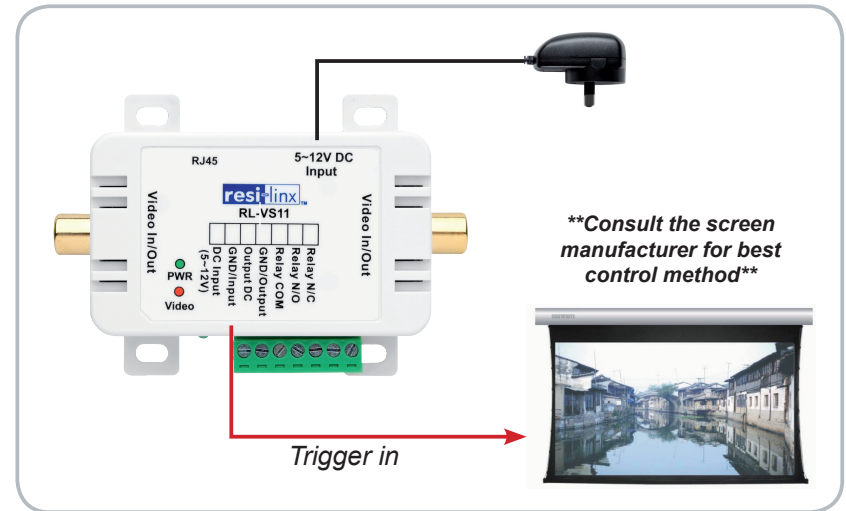
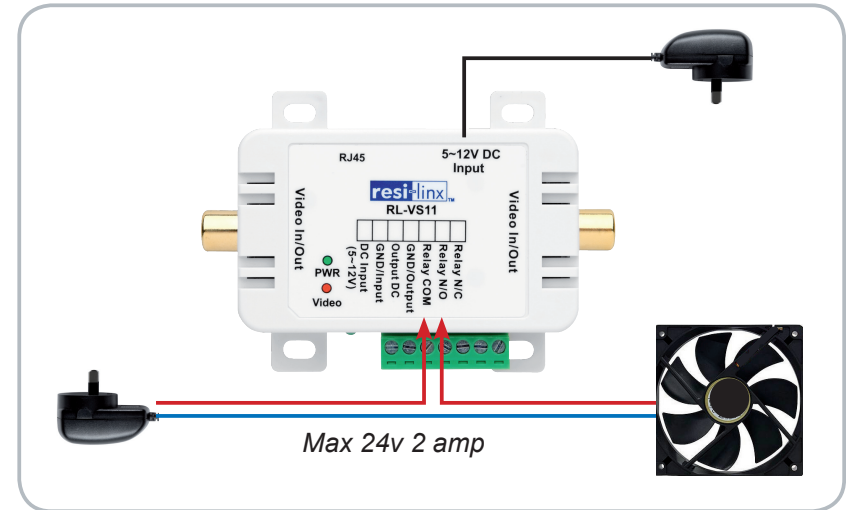
When connected to the monitor output of a TV the video sensor will allow the Pronto to skip a power on delay if the TV is already powered on making activities switch faster.

For more information on setting up the sensing rules within the Philips Pronto software please contact you local Philips Pronto distributor.

If the video sensor is located in close proximity to the RFX9600, the 5vDC output of the RFX9600 can be used to power the video sensor as shown below. When video is sensed the sensor outputs 5v to the sensing input of the Pronto extender. If the video sensor is located remotely the sensor will need to be locally powered using a 9-12VDC power supply (not supplied).



Universal connection examples



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Video Sensor



FEATURES

- Compact universal Video Sensor
- Designed to give video status of a source device
- Use to either trigger a Voltage Output or Dry Contact Relay on sensing of video signal
- Supports composite and component video inputs and pass through
- Can be powered remotely, or by 5vDC output of Video Extender
- Philips Pronto approved

RL-VS11	
Materials	Plastic
Dimensions (mm)	67 (l) x 40 (w) x 26 (h)
Power input	12V DC (not supplied)
Cable Requirement	UTP cable
Max. Cable Length	Up to 50 metres
Relay rating	24 Volts @ 2 Amps