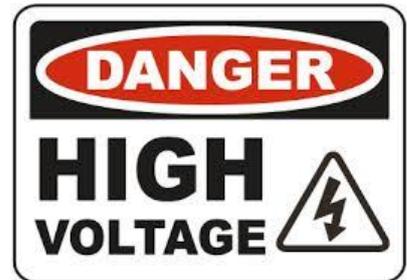


High Mains Voltage Issues

An Automatic Voltage regulator handles all the ranges of voltage levels from the mains and then adjusts them in to a narrower range of outward voltage levels to the equipment connected. The incoming mains voltage can range from as high as 265V and as low as 220V.

Low voltage is not an issue in this case as the switched power supplies are rated from 110V to 240V. However high voltage issues can destabilise Digital Video Recording process's resulting in loss of data. UPS equipment will only regulate output voltage when the mains are not available.



Why does this occur?

At Aussie surveillance we've done research into this and our power grid is designed to handle the massive demands of industry, but when Industry switches off in the typical 5-6pm period; there could be Overvoltage's in the energy delivery to those still connected.

A housing estate with a power supply equipped to handle 500 houses could Overvoltage in the early days of development as demand has not yet reached the Power companies expected requirements. Customers on the outer edge of Industrial estates could also suffer Overvoltage when Industry reduces their power consumption.

Anywhere a large change of current takes place, switching on or off inductive loads, the turning on or off of electric motors or electromagnetics or switching heavy resistive AC loads when zero-crossing circuitry isn't used can cause Overvoltage.

Overvoltage Regulators



Our voltage regulators model [AS-REG600](#) and the [AS-REG1200](#) are available from \$88.20 (+G.S.T) depending on your power requirements. This piece of equipment will ensure that your supply voltage will remain at 240V + or – 3%.



Points to remember

Most often Security surveillance Cameras & DVRs are working 24 hours a day, especially after closing hours, through the night and on weekends. So preparing your power supply needs when establishing your security needs should also include Automatic Voltage regulators on each piece of equipment you want 24/7 reliability and dependability on.

A thought to ponder

At aussiesurveillance.com.au we wish you all the best in finding the product that's right for your needs and our further advice is never more than our website away.

This document was written as a guide only. For further information please contact info@aussiesurveillance.com.au

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