

ELECTRICAL SPECIFICATIONS

Application.....Surge Protection For Low Voltage Power And
 Video For Fixed Cameras

VIDEO PROTECTION

Service Voltage.....2V Peak to Peak
Clamping Voltage.....2.8VDC
Insertion Loss.....<1.0 dB @ 0 – 2.0 GHz
Peak Pulse Current.....20K Amps
Connections.....BNC female – In & Out
Impedance.....75 Ohms

24V POWER PROTECTION

Service Voltage.....24V AC/DC
Clamping Voltage.....33VAC/47VDC
Peak Pulse Current.....3000 Amps/Pair
Connections.....Screw Terminals, 22-16 AWG

PHYSICAL SPECIFICATIONS

Housing.....High Impact Plastic
Housing Color.....Gray
Housing Size.....3.86" x 2.07" x 1.40"
Weight.....2 oz.

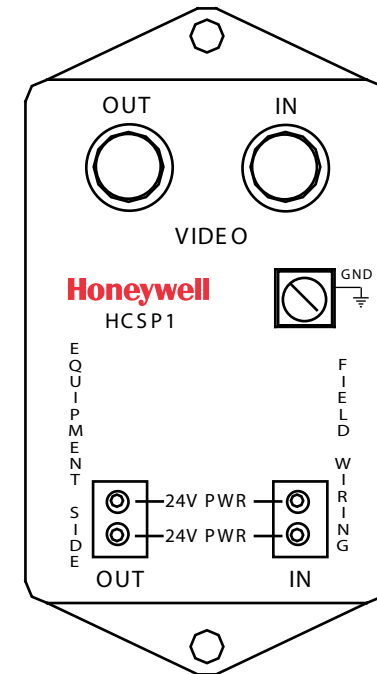
WARRANTY

3 year Product Replacement Warranty

Honeywell warrants this product to be free from defects in workmanship and material and to operate under normal use and conditions. If defective, Honeywell will repair or replace this unit without charge.

Honeywell

Surge Protector HCSP1 Installation Guide



Customer Service.....800-796-CCTV
Website.....www.honeywellvideo.com

Honeywell HCSP1

INTRODUCTION

Surge Protection

Lightning is the most common cause of spikes and surges on power, data, and video transmission lines. When lightning strikes cables connecting different pieces of electrical equipment, it produces a voltage between the earth ground potential and the cables. This voltage reaches the earth bonding point and finds its way to ground. However, some of this voltage is dissipated via the earth bonding point. If the earth resistance is high enough to allow some of the excessive voltage to travel to the distant equipment, the resultant temporary rise in voltage across the electrical equipment can cause serious damage to sensitive electronic equipment.

Another common cause of damage to CCTV equipment is surges on the power line, either from a remote lightning strike or surge generated by a utility company. The voltage spike enters the building via the power lines, which can raise the voltage across the electrical equipment by several thousand volts.

How to install Honeywell HCSP1

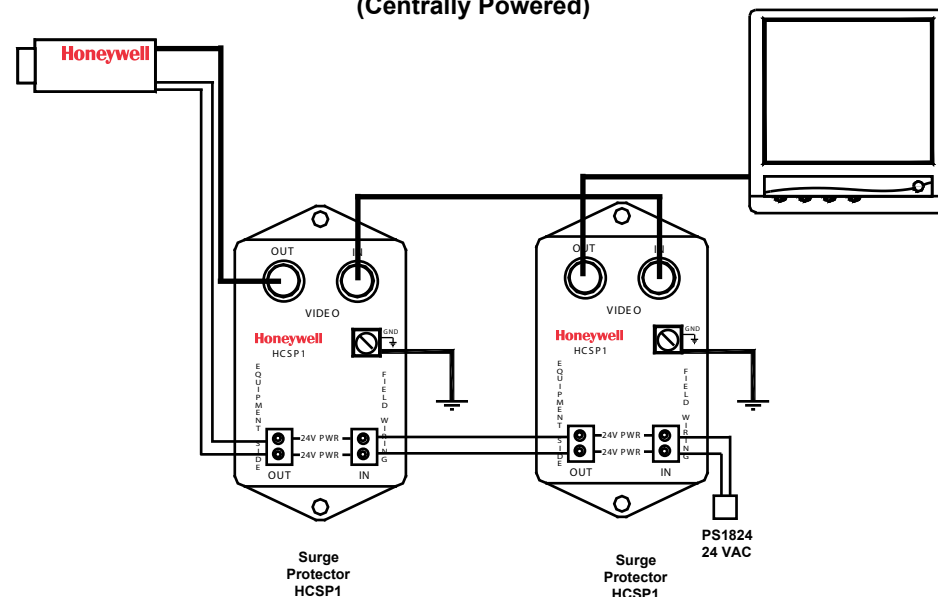
Control End

- STEP 1.** Make sure the equipment is working properly prior to installation of anti-surge device. (Check your Video)
- STEP 2.** Ensure HCSP1 is securely mounted and grounded to earth.
- STEP 3.** Allow 10' to 15' of wire between the protected equipment and HCSP1.
- STEP 4.** Connect the video cable from the monitor end to the COAX IN of the HCSP1.
- STEP 5.** Connect the video cable from the camera end to the unmarked BNC of the HCSP1.

Camera End

- STEP 1.** Make sure the equipment is working properly prior to installation of anti-surge device. (Check your Video)
- STEP 2.** Ensure HCSP1 is securely mounted and grounded to earth.
- STEP 3.** Allow 10' to 15' of wire between the protected equipment and HCSP1.
- STEP 4.** Connect the video cable from the monitor end to the COAX IN of the HCSP1.
- STEP 5.** Connect the video cable from the camera end to the unmarked BNC of the HCSP1.
- STEP 6.** Connect the output of the transformer to the + and – IN terminals of the HCSP1, and connect the power to the camera equipment to the + and – OUT terminals of the HCSP1.

Protecting Both the Camera and Monitor End (Centrally Powered)



Protecting Both the Camera and Monitor End (Remotely Powered)

