ELECTRICAL SPECIFICATIONS

Application……Surge Protection For Low Voltage Power, Video and Data Transmission For PTZ 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

DATA PROTECTION

Service Voltage……..6.8VDC
Clamping Voltage……..2.8VDC
Peak Pulse Current……..2000 Amps/Pair
Connections……..Screw Terminals, 22-16 AWG

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.

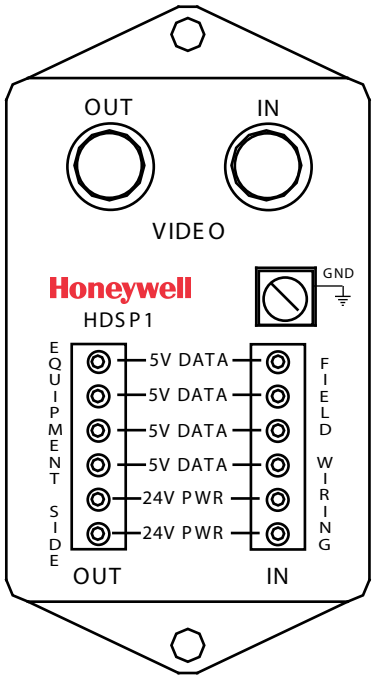
WARRANTY

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
HDSP1
Installation Guide



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

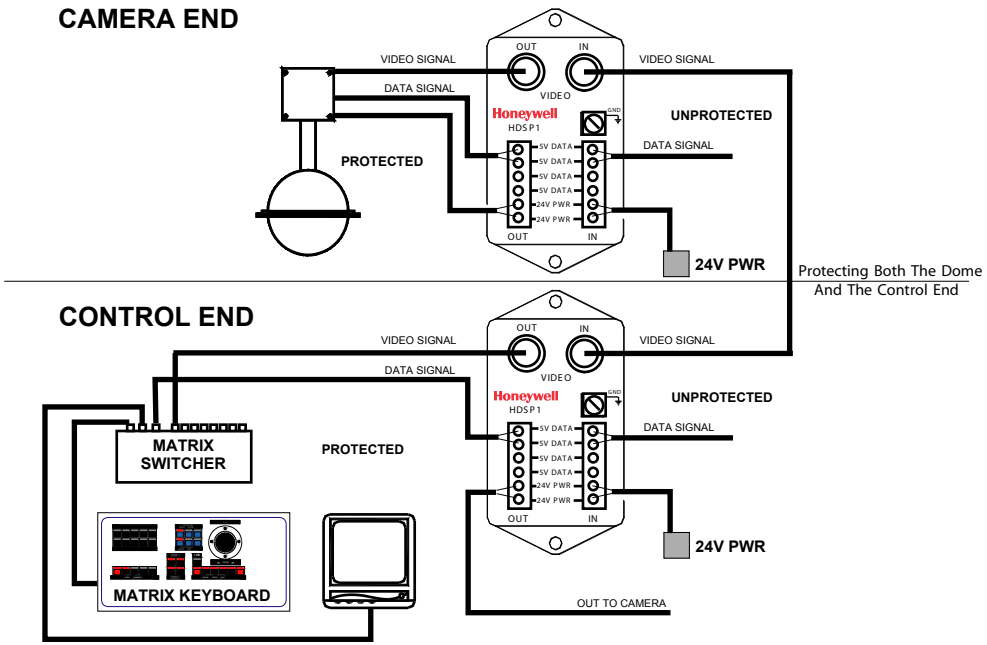
Honeywell HDSP1

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.

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 raises the voltage across the electrical equipment by several thousand volts.



How to install Honeywell HDSP1

Control End

STEP 1. Make sure the equipment is working properly prior to installation of anti-surge device.
(Check your Video and Data)
STEP 2. Ensure HDSP1 is securely mounted and grounded to earth.
STEP 3. Allow 10' to 15' of wire between the protected equipment and HDSP1.
STEP 4. Connect the video from the camera end to the VIDEO INPUT of the HDSP1.
STEP 5. Connect the video from the control end to the VIDEO OUTPUT of the HDSP1.
STEP 6. If you are using Honeywell domes, connect the D+ of the twisted pair from the control equipment to the top EQUIPMENT SIDE terminal (5V DATA) of HDSP1 and connect the D- to the second EQUIPMENT SIDE (5V DATA) terminal.
STEP 7 . Connect the D+ of the twisted pair control going to the camera end to the top FIELD WIRING terminal (5V DATA) of the HDSP1, and connect the D- to the second FIELD WIRING terminal (5V DATA).

Camera End

STEP 1. Make sure the equipment is working properly prior to installation of anti-surge device. (Check your Video and Data)
STEP 2. Ensure HDSP1 is securely mounted and grounded to earth.
STEP 3. Allow 10' to 15' of wire between the protected equipment and HDSP1.
STEP 4. Connect the video from the camera end to the VIDEO OUTPUT of the HDSP1.
STEP 5. Connect the video from the control end to the VIDEO INPUT of the HDSP1.
STEP 6. If you are using Honeywell domes, connect the D+ of the twisted pair from the control equipment to the top FIELD WIRING terminal (5V DATA) of HDSP1, and connect the D- to the second FIELD WIRING (5V DATA) terminal.
STEP 7 . Connect the D+ of the twisted pair control going to the camera end to the top EQUIPMENT SIDE terminal (5V DATA) of the HDSP1, and connect the D- to the second EQUIPMENT SIDE (5V DATA) terminal.
STEP 8. Connect the output of the transformer to the FIELD WIRING terminals (24V PWR) of the HDSP1, and connect the power to the camera equipment to the opposite terminals (EQUIPMENT SIDE).