

## CCTV Applications



The Edco CX06-M& CX06-MI Surge Protective Devices (SPDs) implement three-stage hybrid technology. The SPDs address over-voltage transients with a primary Gas Discharge Tube (GDT), and secondary Silicon Avalanche Diode (SAD) components. Over-current protection, e.g. sneak and fault currents, are mitigated with solid-state resettable fuses — PTCs.

The Edco CX06-M& CX06-MI SPDs are designed in accordance with NFPA 780 (2004 edition) requirements, with up to 20 kA of surge current capability. The Edco CX06-MI model has an isolated ground and is recommended for use at the camera end.

## SPECIFICATIONS

Operating Voltage	5 VDC
Clamping Voltage	6 VDC
Operating Current	0.15 A
Peak Surge Current	20 kA (8 x 20)
Frequency Range	0 to 20 MHz
Insertion Loss	< 0.1 dB at 20 MHz
SPD Technology	GDT, SAD, w/ Series PTC
Connection Type	BNC, 50/75 Ohm
Operating Temperature	-40 C to +85 C
Dimensions (Inches)	M = 1.5H x 1W x 3.25L    MI = 1.5H x 1W x 4L
Weight	M = 2.3 oz    MI = 3 oz

## INSTALLATION

### CX06-M Head End Protection

- A. Connect the **CX06-M** in line with the coaxial cable. The side labeled “EQUIP” should be connected to the adjacent head-end equipment.
- B. Connect incoming coaxial cable to the side of the **CX06-M** labeled “CABLE”.
- C. Connect a ground wire (10-12 AWG) between the **CX06-M** ground terminal and the AC power ground of head-end equipment. Keep this wire as short and straight as possible.

### CX06-MI Camera End Protection

- A. Connect the **CX06-MI** in line with the coaxial cable. The side labeled “EQUIP” should be connected to the adjacent camera.
- B. Connect incoming coaxial cable to the side of the **CX06-MI** labeled “CABLE”.
- C. Connect a ground wire (10-12 AWG) between the **CX06-MI** ground terminal and either the AC power ground or equipment building ground at the camera location. Keep this wire as short and straight as possible.

**NEED HELP?**

1805 N.E. 19<sup>th</sup> Avenue  
 Ocala, Florida 34470

PH (352) 732-3029  
 FAX (352) 867-1237  
 Sales: 1-800-648-4076