

## 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?

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