

## MTL CPAC range

Complete configurable surge protection for all makes and models of video surveillance systems

- Video, control and power protection
- Video over IP protection
- Power over ethernet protection
- Indoor and outdoor cabinet applications
- Robust protection in a compact size
- Easily replaceable modules
- 10 year product warranty



**Video surveillance systems** are becoming one of the primary methods used in overall security protection in the industrial and process industries. In today's challenging times industrial and process facilities are identified as potential targets. These targets include water treatment facilities, petrochemical plants, oil refineries, oil and gas pipe lines, chemical plants, pharmaceutical plants, power plants and natural gas distributors.

**Today's sophisticated video surveillance** systems typically use analog based CCTV video with newer intelligent systems moving toward VoIP (video over IP) formats for networked video and digital recording.

**Because much of this equipment is located in exposed outdoor environments** or have interfaces connected to outdoor equipment, they require protection from electrical transients to function properly. Lightning plays a large part in the risk to this equipment. Lightning induced transients as well as utility

transients can render these systems inoperable. Protection from electrical transients at both the camera and video recording end will help keep these systems operating and reporting.

**We have been manufacturing surge protection devices** for over 30 years. We have protection for today's most sophisticated surveillance systems. We protect video interfaces both analog and digital, POE (power over ethernet), PTZ (pan, tilt and zoom) control interfaces, and power feeds for both indoor and outdoor equipment.

**Complete systems protection** can be achieved with our wide range of surge protection devices. Our 10 year, unconditional product warranty is also offered with the MTL CPAC range.

# MTL CPAC range

October 2016

## SPECIFICATION

All figures typical at 77°F (25°C) unless otherwise stated.

For product specifications see individual datasheets.

### How to order:

- For complete camera protection, specify part number to the right by considering the following:
- Determine the video feed— BNC for analog and CAT5 for digital cameras (see note)
- Determine the PTZ control protocol — RS232, RS422, etc.
- Determine the camera power — 12Vdc, 24Vdc, 48Vdc, 120Vac or 220Vac
- For mounting at the camera, add water proof box part number ZS24281
- Internal video protection — installs inside camera housing

### Enclosure

**ZS24281** NEMA 4X waterproof housing with cable glands and DIN rail.  
21.35cm x 13.97cm  
(8.4" x 5.5")

### DIN rail mounting options

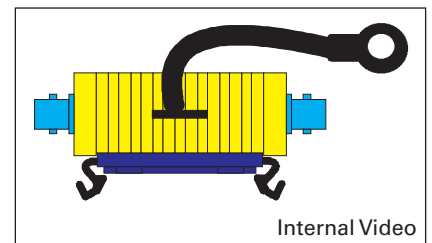
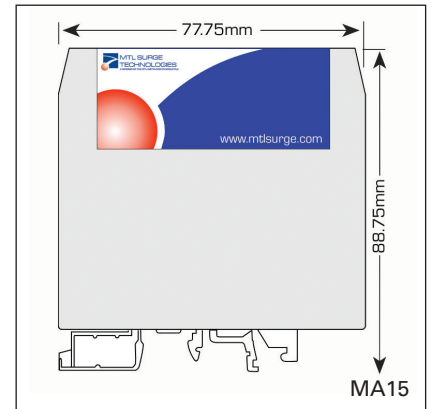
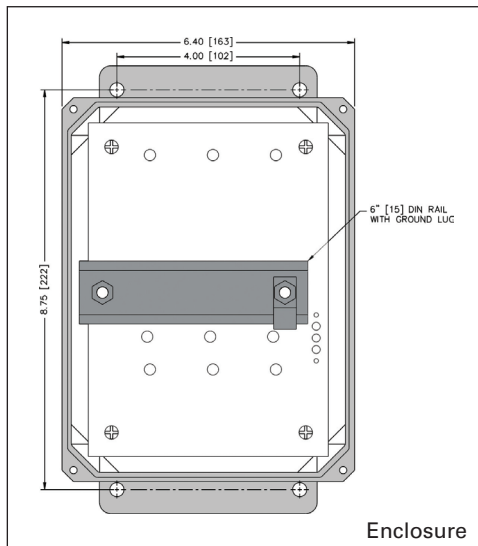
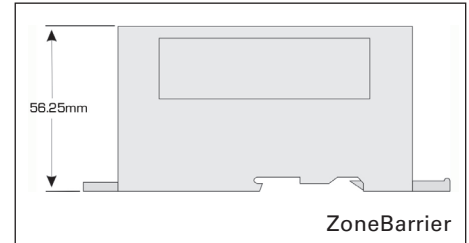
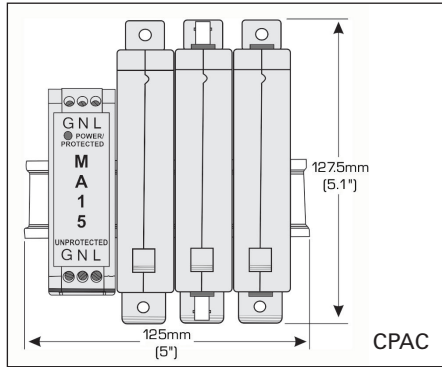
DR21607 5" DIN rail  
for up to 4 ZoneBarriers

DR21649 17.5" DIN rail  
for up to 16 ZoneBarriers

DR24500 19" DIN rail (with mounting brackets) for up to 32 ZoneBarriers

Part #	Application	Connector	Product	
<b>ZB24521</b>	Video/Controller Out 50Ω	BNC F/F	ZoneBarrier	
<b>ZB24584</b>	Video 75Ω	BNC F/F	ZoneBarrier	
<b>ZB24510</b>	PTZ	Terminal Strip	RS232	ZoneBarrier
<b>ZB24518</b>	PTZ 2-wire	Terminal Strip	RS485	ZoneBarrier
<b>ZB24587</b>	PTZ 4-wire	Terminal Strip	RS485	ZoneBarrier
<b>ZB24528</b>	PTZ	Terminal Strip	RS422	ZoneBarrier
<b>ZB24575</b>	Camera Power	Terminal Strip	12Vdc	ZoneBarrier
<b>ZB24580</b>	Camera Power	Terminal Strip	24Vdc/ac	ZoneBarrier
<b>MA15/D/1/SI</b>	Camera Power	Terminal Strip	120Vac	MA15
<b>MA15/D/2/SI</b>	Camera Power	Terminal Strip	220-240Vac	MA15
<b>MA15/D/1/SI</b>	Controller Power	18kA Indoor	120Vac	MA15
<b>MA15/D/2/SI</b>	Controller Power	18kA Indoor	220-240Vac	MA15
<b>ZB24540</b>	Controller Out	RJ45 CAT5	LAN	ZoneBarrier
<b>ZB24585</b>	Power Over Ethernet	RJ45 CAT5	CAT 5/48Vdc	ZoneBarrier
<b>ZS24281</b>	Camera Protection	Cable Glands	Pole Top Enclosure	

## DIMENSIONS



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The given data is only intended as a product description and should not be regarded as a legal warranty of properties or guarantee. In the interest of further technical developments, we reserve the right to make design changes.