



## OVERVOLTAGE PROTECTOR



**Cathtect**  
U.S.A. INC.

Cathtect USA's OVP is our compact, rugged overvoltage protector engineered to clamp high-energy transients caused by lightning, switching events, and AC faults — safeguarding sensitive infrastructure without compromising system continuity. It activates only when voltage exceeds a defined threshold, providing a safe discharge path while maintaining DC and AC isolation under normal conditions.

Housed in a durable Ex e-rated enclosure, the OVP is ideal for remote installations, electrical cabinets, and across-flange mounting — wherever space, safety, and resilience are critical. Optimized for transient suppression, it delivers maintenance-free, solid-state surge protection for demanding environments.



### Brand Mission & Values

Cathtect USA builds trusted cathodic protection solutions backed by over 30 years of field expertise. Every unit reflects our commitment to:

- ◆ Solution-Driven Innovation
- ◆ Disciplined Execution
- ◆ Customer Focus
- ◆ Results-Oriented Performance
- ◆ Trust
- ◆ Accountability
- ◆ Team Alignment

We're technical leaders advancing the CP industry and protecting critical infrastructure with precision and integrity.



### Common Applications

OVP units deliver high-energy surge clamping for lightning and switching transients. They are commonly deployed at:

- ◆ Isolation Flanges
- ◆ Remote monitoring and SCADA panels
- ◆ Solar and wind energy grounding systems
- ◆ Telecom shelters and signal repeaters
- ◆ Electrical cabinets vulnerable to transient overvoltage
- ◆ Utility and infrastructure interfaces requiring compact surge protection



Call Us  
+1 (772) 918 8319



Visit Our Website  
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Part Number Breakdown:

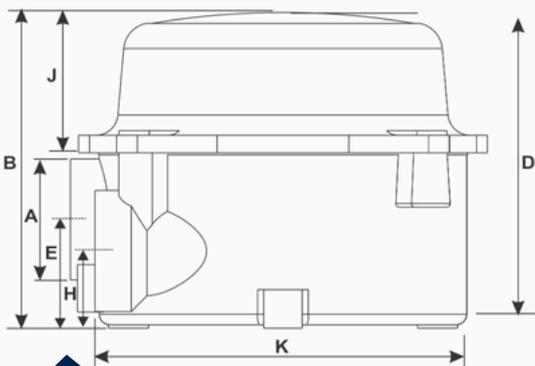
**CUOVP-[AC FAULT][DC]-EX**

Segment	Description
<b>CU</b>	Cathtect USA identifier
<b>TYPE</b>	Product type: <b>OVP</b>
<b>AC FAULT</b>	AC fault current rating (@ 30 cycles): <b>12</b> = 1.2 kA, <b>20</b> = 2.0 kA, <b>37</b> = 3.7 kA, <b>50</b> = 5.0 kA
<b>DC</b>	DC threshold voltage: <b>2</b> = +2V/-2V, <b>3</b> = +1V/-3V, <b>4</b> = +1V/-4V, <b>6</b> = +1V/-6V
<b>ENCLOSURE</b>	Enclosure style: <b>EX</b> = Exe enclosure



### Product Highlights

- ✓ High-energy transient clamping for lightning and switching surges
- ✓ Compact, rugged Ex e-rated enclosure for harsh environments
- ✓ Maintenance-free solid-state design
- ✓ Compatible with remote and space-constrained installations
- ✓ Integral part of Cathtect USA's surge protection ecosystem



### Physical & Electrical Characteristics

- ◆ Terminal polarity clearly marked for installation
- ◆ Unlimited switching cycles
- ◆ Weight: 1.56 lbs. (3.7kA, +2/-2V DC)
- ◆ Dimensions: See below

B - Overall Height	E	H	J - Lid Height	K - OD
89 mm	30 mm	22 mm	40 mm	105 mm



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