

AC MITIGATION

**PROTECTING YOUR CATHODIC PROTECTION,
WHILST GETTING RID OF STRAY CURRENTS**



Solid State Decoupler (SSD) - DCDth

This device, like the SSD-DCD maintains an off state in a desired range of voltage between a pipe and ground. When the range is exceeded it short circuits and brings the pipe down to ground potential, it does not switch off until the polarization of the exceeded potential threshold reverses.

Features of Cathtect's SSD-DCDth

- *Wide DC clamping voltage range +2V/-2V/-5.6V/-9.2V/-12.8V/-16.4V/-20V
- *High steady state DC current drain
- *60Hz AC impedance of 0.04Ω (Extra)
- *AC steady state current 45A @ 50/60Hz (Extra)
- *Lightning impulse current rating Class 1: 100 kA for 10/350 s
- *AC fault current rating 1.2kA, 3.7kA, 5kA and 9.5kA for 30 cycles
- *Lightning DC spark over voltage -600V
- *IP68 Submersible design up to two meters in depth
- *Exe (Hazardous Areas 1 and 2)



Cathtect
Engineering (Pty) Ltd.

Ratings of SSD-DCDth

Cathtect's SSD-DCDth product line consists of 4 sizes namely 1.2kA, 3.7kA, 5kA and 9.5kA – For each type there are 6 different options of DC Thresholds to choose from but they are all @60Hz

Different DC Thresholds to choose from:

- 1.-2V to +2V
- 2.-5.6V to +2V
- 3.9.2V to +2V
- 4.12.8V to +2V
- 5.16.4V to +2V
- 6.-20V to +2V

