



Cathtect

Engineering (Pty) Ltd.

INTRxx High Current Interrupter

DC Current Interrupters for Cathodic Protection usage

WHAT IT TAKES

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standard switching capabilities |



Cathtect Engineering (Pty) Ltd. with years of operational experience on surveying of buried pipelines present an interrupter robust enough to meet the harsh conditions of operation found in the stray current rich, South African working environment.

The Interrupter is battery operated incorporating a Solid State DC switch with up to 6 user programmable switching cycles.

1. 0.3 seconds on / 0.7 seconds off - Standard
2. 0.6 seconds on / 1.4 seconds off - Slow cycles.

A further 4 cycles are user programmable via dip switches located within the enclosure of:

1. 0.9S on / 2.1S off
2. 1.2S on / 2.8S off
3. 1.5S on / 3.5S off
4. 3.0S on / 7S off



Connection is made simple through the use of 120Ampere capacity terminal posts with thumb fixing nuts conveniently colour coded.

The internal Sealed lead acid maintenance free battery provides up to 140hours of service before re-charging. A High Brightness warning LED indicates when a low battery level is reached. A charging socket is provided for connecting, and includes a three pin wall type charger.

- Audible tones provide confirmation of the switching cycle selected.
- Bright Indicating LED's provide ample feedback of operation and selections.
- The robust 3CR12 Stainless Steel enclosure is purposefully designed to withstand the rigors of Pick-up Truck portage.

Standard switching capacities include:

50 Ampere
100 Ampere
150 Ampere
200 Ampere

Surge protection is provided across the connection terminal posts rated @ 40kA for (8/20) μ s. The surge protection is designed so that a backup takes over once it has failed. The interrupter will block any voltages on the pipe up to 1800V (50, 100A) and 1400V (150A, 200A) until surge protection will start to absorb energy.

