

ExIS – NERPRO Relays – HV & 1000J

ENGINEERING CAPABILITIES

Mechanical
Hydraulic
Electrical

PRODUCTS

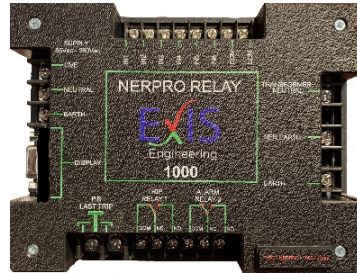
Flameproof and Industrial Starters for:

Conveyors
Flitting
Compressors
Feeder Breakers
Pumps
Fans
Roof Bolters
Winch Controllers
I.S. Water Level Controllers
Lighting Transformers
Tramming Generators
NERM Panels
Earth Leakage Relays
Earth Leakage Test & Data Recorders
Machine Remote Controllers
Flameproof Accessories
Ex ia Portable Hand Lamp

SERVICES AVAILABLE

Technical Support
Installation and Setup
Maintenance
Consulting

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The ExIS NERPRO relay is versatile, reliable, and robust in construction. It has a primary function of monitoring the Neutral Earthing Resistor, the Neutral Voltage, and the Earth Fault Current.

The relay is accessed and controlled via a touch screen.

The NERPRO is also capable of monitoring six user defined digital inputs and storing these for future access. These may be interrogated via an external 'Trip Log' input to the NERPRO, this is useful if power has been removed from the NERPRO, or directly via the touch screen if the auxiliary control supply is available.

A 'NERM Test' function open circuits the NER and checks the trip functionality of the NERPRO.

An 'Earth Fault Test' facility injects the necessary test current, again to check the functionality of the NERPRO.

Transformer temperature monitoring is achieved using a J-type thermal interface with adjustable temperature trip settings.

The internal real time clock and battery back-up enables condition, recording, and alarm activation when the auxiliary control supply is unavailable.

- Type 1000J - up to 1kV
- Type HV - 1kV to 11 kV
- Digital and analogue harmonic filtering
- Touch screen interface
- User defined digital inputs
- User defined analogue inputs
- Transformer temperature monitoring
- Time and date setting page
- Trip and alarm setting page
- Last trip page
- Trip log event page
- Edit input and trip page

General Specifications:

- Supply 85-265Vac
- Two potential free contacts rated 250V 10A
- Fail safe relay changeover from trip to healthy
- Transformer temperature trip level adjustable
- NER trip level adjustable 0 – 1kΩ (1000J)
- NER trip time delay 10 seconds (1000J)
- NER trip level > 10kΩ (HV)
- NER trip time delay 6 seconds (HV)
- Neutral earth fault trip current adjustable 0-10A (1000J)
- Neutral earth fault trip current adjustable 1-25A (HV)
- Neutral earth fault trip time delay adjustable 0-10 Secs
- Neutral earth fault trip current < trip value
- Neutral voltage trip level 300Vac (1000J)
- Neutral voltage trip level > 2000Vac (HV)



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