

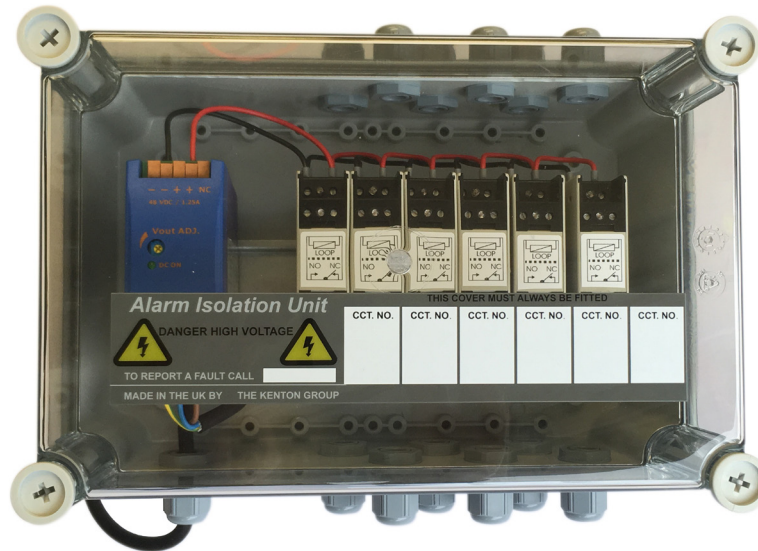
Alarm Isolation Unit

For SCADA Telemetry on Hot-Sites

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Innovating the Connectivity of Everything™



PRODUCT HIGHLIGHTS...

- Galvanic isolation of 15KV RMS
- Protects SCADA interfaces from high field ESD
- Sense loop up to 1000Ω
- LED loop indication
- Up to 6 independent channels
- Low power
- Modular relays

The Alarm Isolation Unit (AIU) is a 6 channel alarm isolator unit for “hot site” isolation of alarms on high voltage plants. The isolator is intended to be used to isolate DC alarm contacts on “hot” equipment via field wiring with the electronic inputs of monitoring equipment (SCADA,PLC).

Potentially under fault or flashover conditions the field sensing contacts can be raised to many thousands of volts above ground potential, which would damage low voltage monitoring equipment.

The alarm isolator unit is mains powered with a nominal 50V DC feed to remote alarm contacts via field wiring. These contacts in turn activate the isolated relays in the alarm isolator. Up to six isolator relays can be fitted to the DIN rail in the unit, and easily replaced if required. The unit will operate on field wiring up to a maximum loop resistance of 1000 ohms.



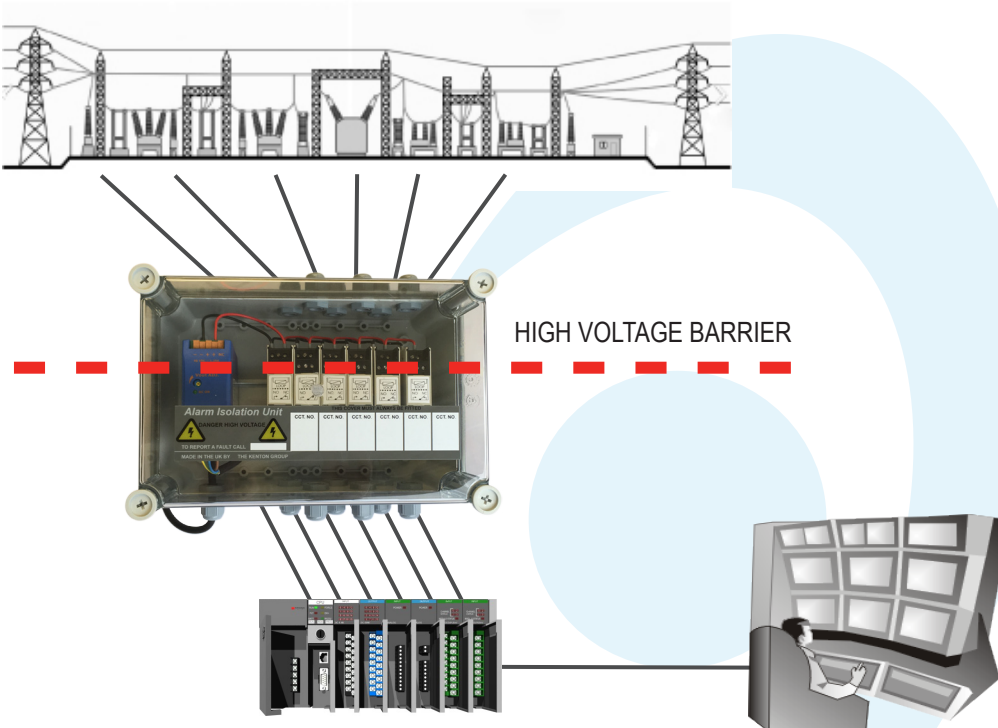
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SPECIFICATION

Contact Configuration	Single pole change over
Switching Current	0.25A
Switching Power	5VA max
Switching Voltage	175V max AC/DC
Contact Resistance	100mΩ
Maximum Release Time	1mS
Operating Time Typical	0.7mS
Mechanical Life	103 operations
Must Operate	>35V
Must Release	<10V
Coil Current	20mA max
Isolation	15,000 V RMS
Size W x D x H	280 x 220 x 180
Power	85 to 264 VRMS

Typical AIU Application



Ordering

- AIU = MOD22017-6
- Relay Module = MOD22017-RL

