

Sub-Station Synergy



As Sub-stations demand reliability, precision, and real-time monitoring, the integration of an ADDA alarm annunciator contributes to system control and fault indication across high-voltage installations. The Alarm Annunciator, available in 110VDC or special 32VDC models, provide synchronized LED flashing display lights that enhance user response and visibility during faults. With optional 4mSec fast trip and built-in Avalanche Diodes in the ADDA 8 models, these annunciators streamline panel design while maintaining operational speed and safety.

The ADDA A8P High-Voltage Panel Alarm further strengthens fault monitoring by operating directly from 110VDC supply with zero current consumption, conserving battery life and minimizing heat generation. Its modular design which is available in 4 or 8-way configurations, allows for easy installation and scalability in sub-station control systems. Complementing this high voltage alarm are the Diode Boards and Trip Steering Diodes, rated at 25A and 1600V, to ensure reliable trip signal management by combining multiple trip inputs into a single output for a unified relay trigger, critical for protection coordination.

Semaphore ADDA ERS-22 paired with low-profile Semaphore ERS-22-LP, provides clear visual circuit status indication through bright LED-illuminated bars, that are ideal for breaker, isolator, and earth switch position indication on mimic panels. Alongside these are the ND22 110VDC pilot lights which have been tested for 48-hour continuous burn reliability, and are available in six different types of vibrant, true colours for long-life indication. The design allows for either a low profile lens on a high profile base, or a high profile lens on a high profile base.

The Control & Load Switch R20 Series, adds operational flexibility and safety. It comes with a self-cleaning blade wiping action contacts system, is available in Spring Return or Stay-put Positions with 2 to 8 positions fixed or with automatic return, has IP20 finger proof terminal protection, and a rugged mechanical design for harsh sub-station environments.

Finishing off panel installations are Grafoplast's cable marking transparent sleeves. These control components together deliver an integrated, durable, and highly responsive solution essential for efficient sub-station and panel operations.

Mimic also offer Low-High Voltage meters including monitoring and metering that measures high-voltage parameters through instrument transformers (PTs/CTs).

Call us for more information on panel and sub-station operator interface, signalling components and display units.

JHB Branch

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