

# SwitchSmart

## Automates Electrical Safety Testing Between Multiple Test Points or Multiple Products Simultaneously

### Multi Industry Use

Clare has developed a versatile modular switch scanning matrix which can be used to connect high voltage or high current electrical safety tests to multiple test points or products.

Applications include multiple point or multiple product testing with products such as transformers, motors or electrical system devices which require testing for earth/ground bonding or high voltage hipot/flash dielectric withstand test

Each switch port is capable of handling high voltage or high currents, which makes the module extremely flexible.

It has been designed to interface directly to the Elite family of products or for independent use within larger system integration/automation projects.

Because it is a modular design, the effective number of points it can be connected to is virtually unlimited, as the module can be controlled either by RS-232 serial interface or by a digital control port.

Housed in a stylish 4U 19-inch case, this module features a high contrast LCD display which indicates the real-time status of each switch port.



### KEY FEATURES

### SwitchSmart

16 Switching Ports type SPST (NO)

Maximum switching voltage 3 kV AC

Maximum switching current 32 Amps AC

RS-232 serial communication control port

Digital I/O control port

LCD display showing switching port status

Standard 19-inch 4U case

Rear mounted industrial connections

Universal power supply from 100 to 250 V 50/60 Hz

Virtually unlimited number of points can be connected by cascading multiple modules

Interfaces directly with Elite

Simple interface for integration into third party systems

Test points can be switched hot

### SPECIFICATION

Fuse	250V/1A Fast blow
PC/Host/Elite Control Mechanism	RS-232 or digital I/O port via 25 way D type connection
Maximum Switch Port Rating – High Voltage	3 kV AC. and DC
Maximum Switch Port Rating – High Current	32A*
Number of Ports	16 single pole normally open (SPST) type
Switch Port Connections	Via two Harting style industrial rear panel connections
Display	2 X 20 character high contrast backlit LCD

### ADDITIONAL INFORMATION

#### Mechanical

Case Dimensions	19-inch 4U, 510W x 133H x 400D mm
Weight	9 kg

#### Electrical

Operating Temperature	0 - 40° C
Supply Voltage	100 – 250V AC. 50/60 Hz

#### Order Number

462A910