

# CGS Merlin 500S

## Datasheet

### Single Utility Control



## Product Overview

The Merlin 500S panel is designed to provide the user with an effective means of isolating any utility, via a key switch or in the event of an emergency, by operation of the emergency EPO button.

The key operated 500S product carries a 3 Year CGS warranty and is fully supported by our technical team. The 500S has a fascia mounted emergency shut off button fitted as standard and the fascia mounted LEDs give simple and concise information to the operator. The panel is fully compatible with CGS remote emergency stop terminals allowing a large number of EPO terminals to be connected in series and wired back to the panel. The 500S can be integrated with a BMS and fire alarm via a low voltage dry contact.

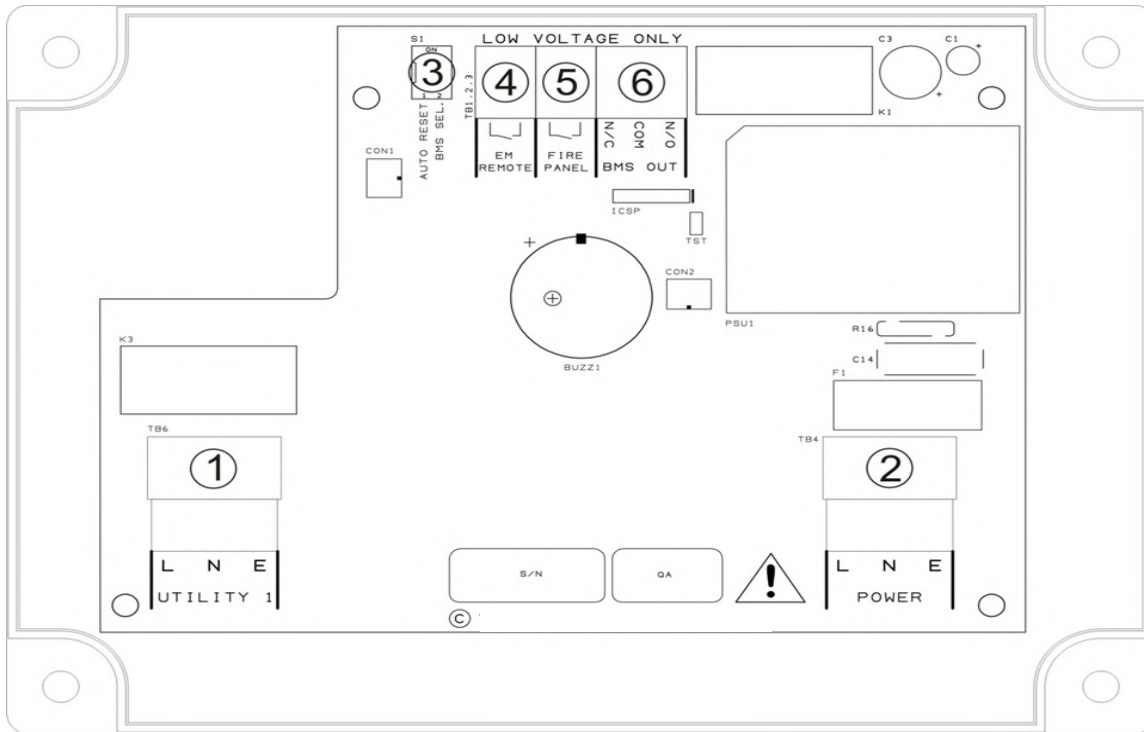
The 500S is an excellent isolation panel. Simple to fit with little maintenance required and is covered by the full support that comes with the entire range of Merlin products.

## Product Specifications

|                              |  |
|------------------------------|--|
| Power Supply                 | 110-120VAC                                 |
| Utility Output               | 110-120VAC                                 |
| Enclosure                    | Wall mounted or flush mount kit available  |
| Dimensions                   | Width: 7 1/2" Height: 5 1/2" Depth: 2 3/8" |
| BAS Output                   | N/C COM N/O - Max 1A @ 120VAC              |
| EM Stop Input                | Dry Contact*                               |
| Fire Alarm Input             | Dry Contact*                               |
| Internal Fuse                | 3.15A                                      |
| Adjustable BAS Signal Output | Alarm "ON" or Utility "ON" / Utility "OFF" |

\*Dry Contact. Do not connect any device which generates a separate source of voltage on this circuit. Any voltage applied to these connections will damage the microcontroller.

## Circuit Board Overview



- (1) Power Output - 110-120VAC, 50-60Hz
- (2) Mains Input 110-120VAC, 50-60Hz
- (3) Auto Reset & BMS Selection Dip Switches
- (4) Remote Emergency Panic Buttons (purchased separately) **Dry Contact Input**
- (5) Fire panel (supplied by others). **Dry Contact Input**
- (6) BMS output contacts. Normally Closed, Common and Normally Open

Find out more  
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