

SigTEL 16 Line Master Controller

Part No. **ECU-16**



Overview

A new 16 line Master Controller for use with our SigTEL disabled refuge, fire telephone and stadium marshalling system.

Allows operators to communicate with up to four disabled refuge or fire telephone outstations.

Includes an attractive semi-recessed handset.

Improved SigTEL networking capability allow systems of up to 224 lines to be created with optional/additional desk unit control.

Backlit LCD and unique 'auto-learn' facility allows fast system set up.

Can be semi-flush mounted using an AFP385 bezel.

Operation can be maintained for 24 hours (standby) and 3 hours (in use) using 2 x 12V 7 Ah batteries.

Easily interfaced to NC951 accessible toilet alarms, PDA range hearingloop systems, strobes, CCTV activation relays, etc.

Improved networking capabilities coming soon allowing systems up to 224 lines and optional desk controllers - contact our sales desk for details.

Technical Specifications

Approvals/certifications	Facilitates compliance with BS5839-9 when correctly installed.
Mains supply	230V 50/60Hz.
Mains rated current	500mA.
Internal power supply	19V-28.5V (27V nominal). Ripple 7V maximum (battery fault).
Total output current limited to	1.5A @ 230Vac
Quiescent current	100mA (controller with fault buzzer sounding) plus 1mA per Type A outstation and 3.2mA per Type B outstation.
Max battery size and type	2 x 12V 7Ah VRLA connected in series.
No. of lines	16 (extra lines available on networked systems).
Auxiliary relays	Changeover fault relay (failsafe). 30V 1A max.



Open collector outputs	(OP1): Activates when the ECU is ringing; (OP2) Activates when there is an active accessible toilet alarm call; (OP3) Closes when the handset is off hook and remains active for 2 mins after it is replaced. 24V, 50mA max.
Other outputs	+24 V. Typically used to supply power to equipment connected to the ECU's open collector outputs (relays, etc).
Engineer (AL3) functions	Engineer mode and reset buttons (internal).
Indicators	128 x 64 pixel LCD display; Disablement; System fault; PSU fault; General fault; Power on.
Controls	Handset; Scroll buttons; Hold; Call Accept; Function; Directory; Silence Buzzer.
Expansion connections	Increased network capability - details coming soon.
Product dimensions (mm)	410 W x 250 H x 80 D mm (base); 439 W x 274 H x 7 D mm (lid). Handset protrudes 80 mm beyond lid.
Construction & finish	Metal lid and base, RAL7035 grey texture.
IP Rating	IP20.
Weight	3.1kg (without batteries).
Operating conditions/temperature	-5°C to +40°C. Max relative humidity: 95%.



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