

# SigTEL 16 Line System Controller

Part No. **ECU-16**



## Overview

- A new 16 line System Controller for use with our SigTEL disabled refuge, fire telephone and stadium marshalling system.
- Allows operators to communicate with up to 16 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 EVC385 bezel.
- Operation can be maintained for 24 hours (standby) and 3 hours (in use) using 2 x 12V 7 Ahr batteries.
- Easily interfaced to NC951 accessible toilet alarms, PDA range hearing loop systems, strobes, CCTV activation

relays, etc.



## 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.



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 30 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%.

