

ChallengerLEPlus Control Panel



Overview

The ChallengerLEPlus control panel is a cost-effective intrusion panel with a small footprint, allowing installation in locations where space is at a premium.

Despite the small size, ChallengerLEPlus contains many of the advanced features you would expect in a Tecom solution. These include native Ethernet, mobile app support, C-Bus* integration, 3G and 4G expansion module support and management software connectivity. It also offers a secure, encrypted connection to your monitoring station via UltraSync, as well as a mobile app that gives you push notifications and the ability to manage and control your system from anywhere, at any time.

Complementing the family of Tecom control panels, the ChallengerLEPlus fits seamlessly into the Challenger ecosystem. Using the same peripherals, those familiar with the Tecom Challenger platform don't need training meaning you can have a security installation up and running in no time.

The ChallengerLEPlus is a versatile product suitable for use in small, standalone or large networked systems. Small sites may also wish to use the Tecom Mobile app for basic site control. Large customers can elect to connect multiple ChallengerLEPlus panels into management software as an integrated system.

Features

- UltraSync connectivity
- On-board Ethernet, USB and RS-232 with optional 3G/4G expansion module for ultimate connectivity
- Fully flexible communications with options for simultaneous and redundant reporting to monitoring stations, management software and third-party systems
- Small form factor
- Connect to the TecomPlus app for simple and convenient control, including push notifications
- High-level integration to building automation (C-Bus)
- Full text descriptions of panel items (e.g. users, inputs, areas, doors, etc.) are stored in the panel
- Fully backwards compatible with most Challenger V8 peripherals
- Upgrade via remote flash firmware
- Support for multiple end-of-line (EOL) resistor values for economical upgrade from other alarm systems

Download TecomPlus app today



ChallengerLEPlus control panel

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Specifications

System Features	
Areas	16
Area groups	32
Inputs on board	40 physical (8 on-board + 32 via one fully expanded DGP), 8 logical
Automation zones	20
Outputs on board	Two 8 Ohm sirens internal and external, 1 strobe. The external siren is monitored for tamper conditions.
Connection options	Ethernet interface (onboard) USB (onboard) RS-232 (onboard) UltraSync 3G and 4G (optional plug-in expansion module)
Relays or outputs	32
Macro logic programs	16
Reporting formats	Contact ID, Computer polled, Computer event driven, IP Receiver, Securitel STU, Printer, C-Bus, Mobile device.
Communications bus	RS-485 LANs x 1
System Capacity	
Users	100 (not expandable)
Standard Doors	8
Standard Lifts	1
Floors	10
Alarm groups	42
Door groups	32
Floor groups	16
DGPs	1 (TS1020 or TS1061)
Expansion slots	1 (large)
Alarm history events	500
Access history events	500
Holidays/Special days	24
Holiday types	8
Time zones	24, with 8 parts
Soft time zones	16
Communication Paths	10 simultaneous
Physical and Environmental	
Temperature	0 to 50°C
Relative humidity	0 to 90% noncondensing
Dimensions in enclosure (W x H x D)	263 x 261 x 77 mm
Weight	2.84kg
Regulatory Compliance	ACMA: C-Tick for Australia and New Zealand
Electrical	
Input voltage to PCB	16 – 18VAC
Battery test	Dynamic battery testing
Fuse Protection	Individual PTC (Positive Temperature Coefficient) fuse protection for: LAN, battery, auxiliary and internal siren, plug pack, external siren and strobe, relay expansion and J15 serial
Current Consumption	
Total current limit	1.5A
Operating Current	100mA (Typical)
Auxiliary current	700mA (Max.)
Battery charging	300mA (Max.)

Ordering information

TS1016LE ChallengerLEPlus control panel



Specifications subject to change without notice.
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