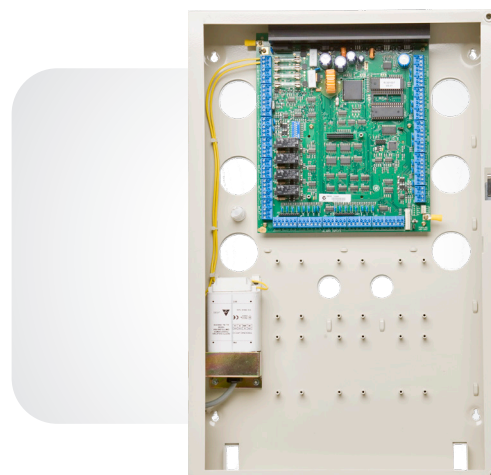


TS0869

Intelligent Lift Controller



Overview

The Intelligent Four-Lift Controller extends the Challenger system's capability to provide state-of-the-art lift access control functionality.

Each Intelligent Four-Lift Controller (TS0869) provides intelligent access control for up to 4 lift cars and 64 floors.

Floor control operations like badging a card or entering a PIN or a combination of both, can be programmed to function only during specified times of the day

Unlike many other lift control systems the TS0869's onboard database provides floor access control functionality even if communications with the Challenger panel fail.

The Controller also supports many Wiegand reader technologies.

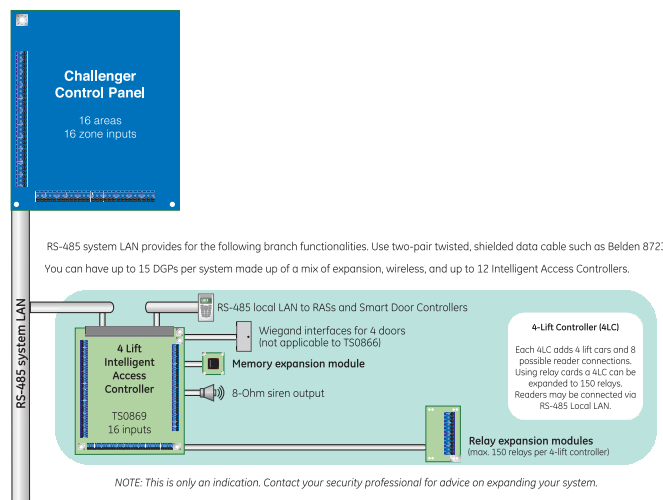
Features

- 4 lifts and up to 64 floor
- Supports card formats of up to 48 bits
- Onboard database for offline conditio
- Up to 12 Intelligent Lift Controllers can add 48 lifts to a Challenger panel
- 16 alarm inputs, expandable to 255 for floor monitoring by connecting TS0820 DGPs
- Local RS-485 bus for up to four readers per lift
- Supports wide range of third-party readers
- 4 relays on board expandable to 150 for floor control (max. 64 floors per lift)
- Up to 48 freely programmable outputs using macro logic equations
- Intelligent Access Controllers' onboard memory supports between 2,000 and 65,535 users with IUM memory expansion (the Challenger panel must use the same memory configuration)
- System conditions such as low battery, mains fail, and tamper can be programmed to operate outputs
- All reader LEDs are programmable, and can display alarm or access status
- Free access to certain floors during override time zone

Intelligent Lift Controller

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System Block Diagram



Specifications

Operating current (no peripheral devices)	700mA
LAN monitoring	Devices are polled for online state
Specified cable for Wiegand reader connections	6-core shielded data cable (Belden 9536 or equivalent)
Enclosure dimensions (W x H x D)	385 x 585 x 77 mm
Humidity	95% noncondensing Note: Units should only be used in a clean environment and not in humid air
System Capacity	4 Lifts, 16 Inputs, 150 Relay Outputs
Physical	Distance from panel: Up to 1.5 km Length of local bus: 1.5 km Both may be extended with LAN Isolation Interfaces
Operating temperature	0 to 50°C
Auxiliary Power Supply	12 VDC/700 mA
Battery Testing	Yes
Batteries	Up to 2 with 7Ah each
Transformer	input 240 V at 50 Hz; output 18 VAC
Cardholders (expanded)	Challenger10/ChallengerPlus: 2,000 (65,535) Challenger v8: 11,466 (65,535)
PIN codes (expanded)	Challenger10/ChallengerPlus: 2,000 (65,535) Challenger v8: 1,000 (65,535)
Floor groups (expanded)	Challenger10/ChallengerPlus: 128 Challenger v8: 10 (128)
Time zones	Challenger10/ChallengerPlus: 46 with 8 parts Challenger v8: 24 with 4 parts
Holidays	Challenger10/ChallengerPlus: 24 with 8 holiday types to select from Challenger v8: 24, only 1 type
Inputs	16 (free programmable inputs, expandable to 255 for floor monitoring using fully expanded TS0820 DGPs)
Relays	4 on board, expandable to 150 with relay cards
Programmable events	Up to 48 output events programmable with macro logic equations
Data bus monitoring	Continuous data bus monitoring for offline conditions of all devices on bus
Individual addressing with DIP switches	Yes
Memory	1 MB standard. Optional 4 MB IUM and 8 MB IUM modules. Must match Challenger panel
Card formats	Wiegand 27 bit, Tecom ASC, K 32 bit, Wiegand 26 bit, Indala ASC 27 bit, Indala ASC 26 bit, Wiegand 32 bit, Tecom Magnetic Card, Midas Magnetic Card, C36 bit. In an IUM Challenger system, users can have any card format up to 48 bits.
Regulatory Compliance	ACMA C-Tick for Australia and New Zealand

Ordering information

TS0869	Intelligent 4 Lift Controller with 4 Wiegand reader connections, with enclosure and transformer
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Specifications subject to change without notice.
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