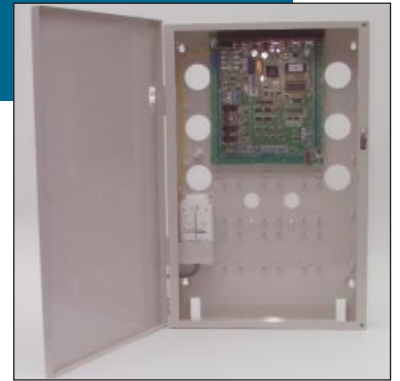




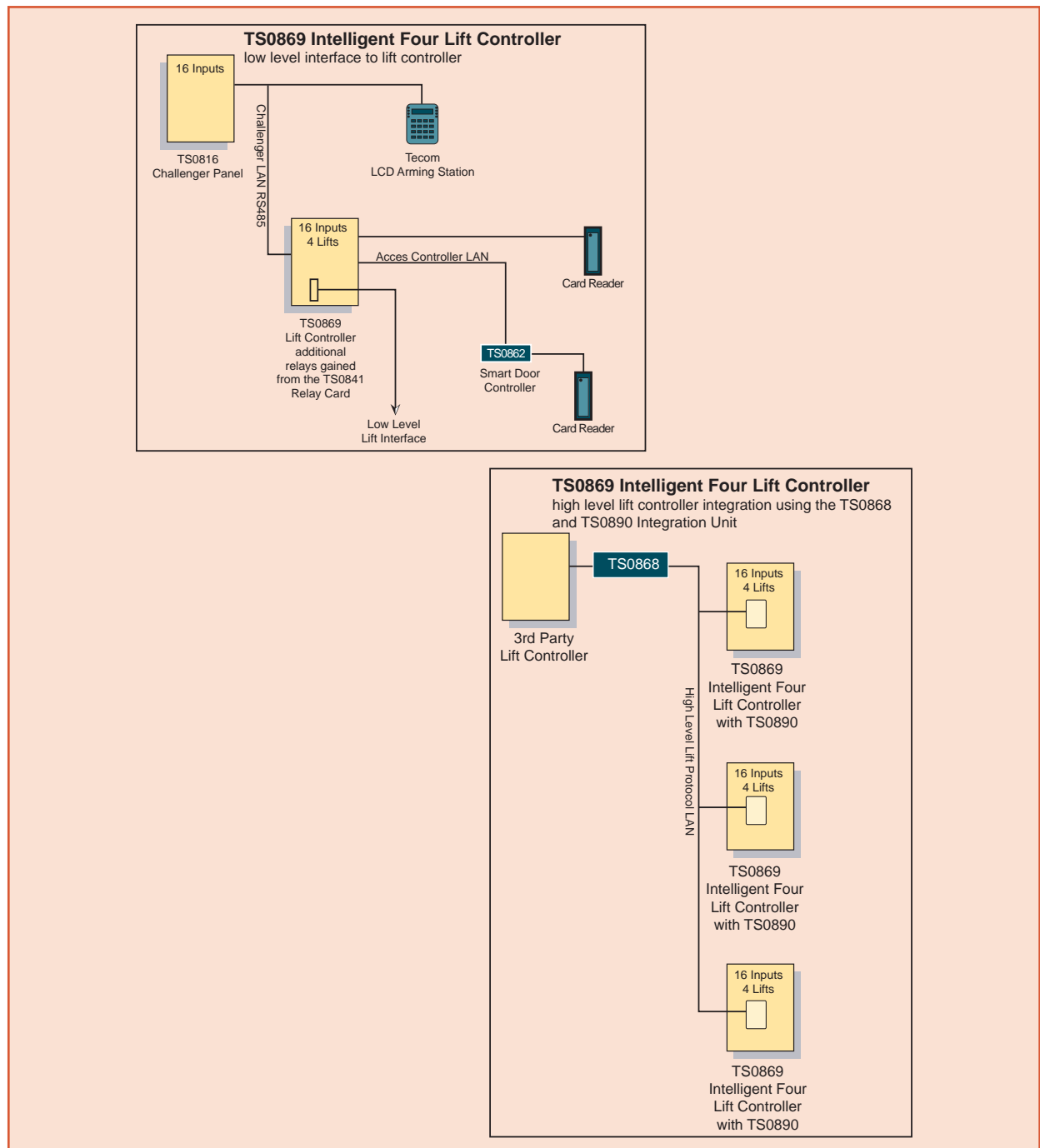
Intelligent Four Lift Controller TS0869

The Intelligent Four Lift Controller is a powerful real time lift controller for extensive multi level buildings requiring floor access control. The TS0869 handles 4 lifts and access to 64 floors on each lift.



CONNECTIVITY

The Intelligent Four Lift Controller can control 4 lifts, each with a reader connected to one of the four onboard reader ports or connected, via an interface, to the LAN reader communication port to allow for extended reader distances. A total of 12 TS0869s can be connected to a Challenger system or in any combination of lift and door controllers. To program the Intelligent Four Lift Controller a TS0801 or TS0804 LCD Arming Station must be included in a system.



INTELLIGENT FOUR LIFT CONTROLLER FEATURES

The Intelligent Four Lift Controller can operate off-line, with no performance degradation, should communications with the Challenger Panel fail. Many reader technologies, including, PIN code, Magnetic swipe, Proximity and Wiegand, are supported as standard, offering a huge range of options for any security situation.

1. The Intelligent Lift Controller can handle up to 4 separate lift cars with 64 floors per car.
2. Each lift can have a combination of readers/keypads for access control procedures, such as card and PIN, just PIN or just card.
3. The Intelligent Four Lift Controller can handle up to 255 programmable relays, four of which are standard onboard. Additional relay boards are connected to a built-in output control plug.
4. Floor monitoring can be achieved by assigning inputs to lifts. Up to 256 inputs can be added via an Access Controller LAN with the connection of Data Gathering Panels and the TS0021 8 Input Expander. Each lift can be programmed to a bank of relays and inputs by selecting a starting floor and ending floor as well as a first relay and first input. Relays and inputs are then be numbered sequentially.
5. Each lift can have a security override switch, which allows users free access to an override floor group.
6. Intelligent Four Lift Controller will continue to operate without deterioration in performance, should it become disconnected from the Challenger.
7. Extensive programming features can be used to program a sequence of unique events for a desired outcome (macro logic). For example, when a user badges and selects a floor, a macro can activate a light on a map at a security desk to indicate a floor has been accessed. Other features which can be controlled using macro logic include HVAC and lighting.
8. Standard Controller memory starts at 11,466 users and can be expanded to 65,536 users provided the Challenger Panel is also fitted with the equivalent memory expansion module. A memory capacity of 500 time/date stamped events are standard in the Intelligent Four Lift Controller for offline operation.
9. System conditions can be programmed to operate outputs. Conditions such as low battery, mains fail and tamper can be programmed to trigger outputs when these conditions occur.
10. To extend the cable run to readers, a secondary LAN connection on the Controller board allows for the addition of Wiegand interfaces (TS0862) and LCD Arming Stations. This has the effect of increasing the maximum reader distance to 1.5km.
11. All inputs are four state monitored. Tamper status is monitored during unarmed periods to detect accidental or intentional activation, and generate an alarm.
12. The Controller dynamically tests the batteries contained within the enclosure. Fuses are also monitored and their status reported to the Challenger.
13. The Intelligent Four Lift Controller has onboard reader ports which can be programmed to support a range of third party reader formats, such as 26 or 32 Bit Wiegand format.
14. Tamper switch connections are built onto the Controller board. The enclosure is fitted with both front and rear tamper switches.
15. Monitored siren connections are built onto the Controller board.
16. The Intelligent Four Lift Controller has 16 inputs onboard which are fully programmable as floor monitoring or alarm inputs. The number of inputs can be expanded to 256 with the addition of Data Gathering Panels.
17. A high level interface to a lift manufacturer's controller can be achieved by utilising TS0868 for each lift. High level protocols have been developed to interface with a number of lift brands already in use in the marketplace. The Intelligent Four Lift Controller requires a TS0890 Integration Unit to be connected before the TS0868 High Level Lift Protocol Controller can be used.

OPTIONS

TS0883	4 Meg Memory Expansion P
TS0884	8 Meg Memory Expansion P
TS0893-96	LAN Devices Range
TS0890	Integration Unit
TS0868	High Level Lift Protocol Controller
Remote Arming Stations (RASS)	TS0003 4 LED Arming Station
	TS0006 Heavy Duty 4 LED Arming Station
	TS0007/8 Magnetic Card Reader Arming Stations
	TS0801/2 8 Area LCD Arming Stations
	TS0804/5 16 Area LCD Arming Stations
	TS0862 Smart Door Controller

TS0883, TS0884 Meg Memory Expansion for user database

The TS0883 and TS0884 are slotted onto the Intelligent Four Lift Controller board in spaces provided and expand memory capacity. Installing one of these modules can increase user memory capacity to a huge 65,536, provided the Challenger Panel has the same memory expansion fitted.

Expansion Capacity

TS0883 4 Meg Bit Memory P	Expansion from 11,466 Users to 20,000.
TS0884 8 Meg Bit Memory P	Expansion from 11,466 Users to 65,536.

Intelligent Four Lift Controller LAN Devices

LAN devices can be used to provide a range of communications alternatives on the Intelligent Four Lift Controller LAN including, electrical isolation of devices from each other, cable looping to and from a central point to ensure line integrity and to enable communication from the Intelligent Four Lift Controller LAN cabling to Optical Fibre and back again. See LAN Devices section for more details.

TS0890 Integration Unit

The TS0890 is used with the Intelligent Four Lift Controller to provide communications to the High Level Lift Protocol Controller. Each TS0869 must be fitted with a TS0890 to allow multiple TS0869s to communicate with a single Lift Protocol Controller. See Data Gathering Panels and Access Controllers section for more details.

TS0868 High Level Lift Protocol Controller

A high level lift protocol interface for the TS0869 Intelligent Four Lift Controller to communicate with third party lift controllers. Supporting the most common high level lift protocols such as Otis and Shindlers, the TS0868 works in conjunction with Tecom's TS0890 Integration Unit and the TS0869 to create seamless lift integration. See Data Gathering Panels and Access Controllers section for more details.

Remote Arming Stations (RASs)

A range of Remote Arming Stations can be connected to the Challenger Panel and Access Controllers to expand and enhance both new and existing systems. These devices, when assigned to a panel, provide a range of access control, programming and status indication functions depending on programming. See Remote Arming Stations section for more details.



SPECIFICATIONS

Power Supply

Input Voltage:	240 Volts AC Transformer and 3 pin plug.(space for two 6.5AH batteries allocated)
Testing:	Dynamic battery testing
Operating Current:	200mA maximum
Aux. Power O/P:	750mA maximum

Communications

Maximum distance from Challenger Panel:	1.5 km
Specified Cable for Challenger and Access Controller LAN:	Belden 8723 or equiv. A long cable run between the Challenger and LAN devices either a separate figure 8 cable must be run or a power supply fitted at the remote end; common negative
LAN Monitoring:	Continuous monitoring for Off-Line status
Total Number of Intelligent Four Lift Controllers:	12 per Challenger (must be first 12 Data Gathering Panels in the numbering sequence)
Addressing:	Individually addressed by dip switches

Operating Capacities and Connections

Users:	11,466 (expandable to 65,536)
PIN Codes:	50 (expandable to 1000) Dependant on Challenger memory options
Floor Groups:	10 (expandable to 128) Dependant on Challenger memory options
Timezones:	24
Holidays:	24
Alarm Points:	16
Relays:	4 (expandable to 255 with TS0841 Relay Cards)
Number of Lifts:	Four lifts with 64 floors per lift
Operating Temperature:	0 - +70°C

Readers (standard)

Readers/Arming Stations:	4 onboard (expandable by a further 16 to total 20 readers)
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Reader Formats: Tecom Magnetic Swipe Format
 10 Digit Club Format (Magnetic Swipe)
 16 Bit Wiegand
 Tecom 32 Bit Format Wiegand/Proximity

Specified Cable: 6 Core Shielded RS232 Data Cable (not twisted pair)

Board Size

TS0869 Intelligent Four Lift Controller: 'D' size board

Ordering Information

When placing an order please specify the following part number:

TS0869 Intelligent Four Lift Controller with TS0329 Enclosure and Transformer

TS0869B Intelligent Four Lift Controller, Board Only
