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.

The TS0869 communicates with lifts either via relays or via high-level interface to most commercially available lift manufacturers by utilising a TS0868 lift protocol interface board\(^1\). The TS0869 supports high-level lift protocol to EPL/Kone and Otis lifts. It also supports new destination control lift systems (Floor selection from outside lift car) for Kone lifts via connection to an Interlogix destination control interface unit.

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 (TS0816) fail.

The Controller also supports many Wiegand reader technologies.

Features
- 4 lifts and up to 64 floors
- High level interface to EPL/Kone and Otis lifts
- Supports high level interface to destination control lift systems from Kone and Otis
- Supports card formats of up to 48 bits
- Onboard database for offline condition
- 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 11,466 users and can be expanded to 65,535 IUM users (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

www.interlogix.com.au
TS0869
Intelligent Lift Controller

System Block Diagram

Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating current (no peripheral devices)</td>
<td>700mA</td>
</tr>
<tr>
<td>LAN monitoring Devices are polled for online state</td>
<td></td>
</tr>
<tr>
<td>Specified cable for Wiegand reader connections</td>
<td>6-core shielded data cable (Belden 9536 or equivalent)</td>
</tr>
<tr>
<td>Enclosure dimensions (W x H x D)</td>
<td>385 x 585 x 77 mm</td>
</tr>
<tr>
<td>Humidity</td>
<td>95% noncondensing Note: Units should only be used in a clean environment and not in humid air</td>
</tr>
<tr>
<td>System Capacity</td>
<td>4 Lifts, 16 Inputs, 150 Relay Outputs</td>
</tr>
<tr>
<td>Distance from panel: Up to 1.5 km</td>
<td></td>
</tr>
<tr>
<td>Length of local bus: 1.5 km</td>
<td></td>
</tr>
<tr>
<td>Both may be extended with LAN Isolation Interfaces</td>
<td></td>
</tr>
<tr>
<td>Operating temperature</td>
<td>0 to 50°C</td>
</tr>
<tr>
<td>Auxiliary Power Supply</td>
<td>12 VDC/700 mA</td>
</tr>
<tr>
<td>Battery Testing</td>
<td>Yes</td>
</tr>
<tr>
<td>Batteries</td>
<td>Up to 2 with 7Ah each</td>
</tr>
<tr>
<td>Transformer</td>
<td>input 240 V at 50 Hz; output 18 VAC</td>
</tr>
<tr>
<td>Capacity and Inputs/Outputs</td>
<td></td>
</tr>
<tr>
<td>Cardholders 11,466 expandable to 65,535 with intelligent user module (IUM)</td>
<td></td>
</tr>
<tr>
<td>PIN codes 1,000 expandable to 65,535</td>
<td></td>
</tr>
<tr>
<td>Floor groups</td>
<td>255</td>
</tr>
<tr>
<td>Time zones/holidays</td>
<td>46</td>
</tr>
<tr>
<td>Inputs 16 (free programmable inputs, expandable to 255 for floor monitoring using fully expanded TS0820 DGPs)</td>
<td></td>
</tr>
<tr>
<td>Relays 4 on board, expandable to 150 with relay cards</td>
<td></td>
</tr>
<tr>
<td>Programmable events</td>
<td>Up to 48 output events programmable with macro logic equations</td>
</tr>
<tr>
<td>Data bus monitoring</td>
<td>Continuous data bus monitoring for offline conditions of all devices on bus</td>
</tr>
<tr>
<td>Individual addressing with DIP switches</td>
<td>Yes</td>
</tr>
<tr>
<td>Memory 1 MB standard</td>
<td>Optional 4 MB IUM and 8 MB IUM modules. Must match Challenger panel</td>
</tr>
<tr>
<td>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.</td>
<td></td>
</tr>
<tr>
<td>Regulatory Compliance</td>
<td>ACMA C-Tick for Australia and New Zealand</td>
</tr>
</tbody>
</table>

Ordering information

TS0869 Intelligent 4 Lift Controller with 4 Wiegand reader connections, with enclosure and transformer
TS0868 High level lift protocol controller
TS0890 Integration Board to connect TS0868 to TS0869

Specifications subject to change without notice.
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