

## Type 2B Lift Control Encrypted Interface

### Elevator control up to 16 floors



#### Key Features

- CEM S9032 Lift Controller, an intelligent embedded network device for control of lifts within the CEM AC2000 security management system.
- One S9032 lift controller can support up to two lifts.
- Inputs in the Lift Control Interface unit can record which elevator floor selection panel button was selected.
- Reportable card holder traceability throughout building floors.
- Encrypted RS485 communication from the DCM 350 controller to CEM sPass DESFire readers.
- Option for S700s Intelligent Reader for installation within the Lift Cabin
- CEM Smartcard with 3DES or AES encryption.
- Type 2B Lift control interface comes in steel enclosure with inbuilt tamper protection.
- User Defined Keys supported via the AC2000 Smart Card Utility

The CEM lift control solution allows seamless control and monitoring of access between elevator floors.

Depending on how many floors need controlled, each elevator must have a Lift Control Interface (LCI) unit, which is used in conjunction with the CEM S9032 Lift Controller.

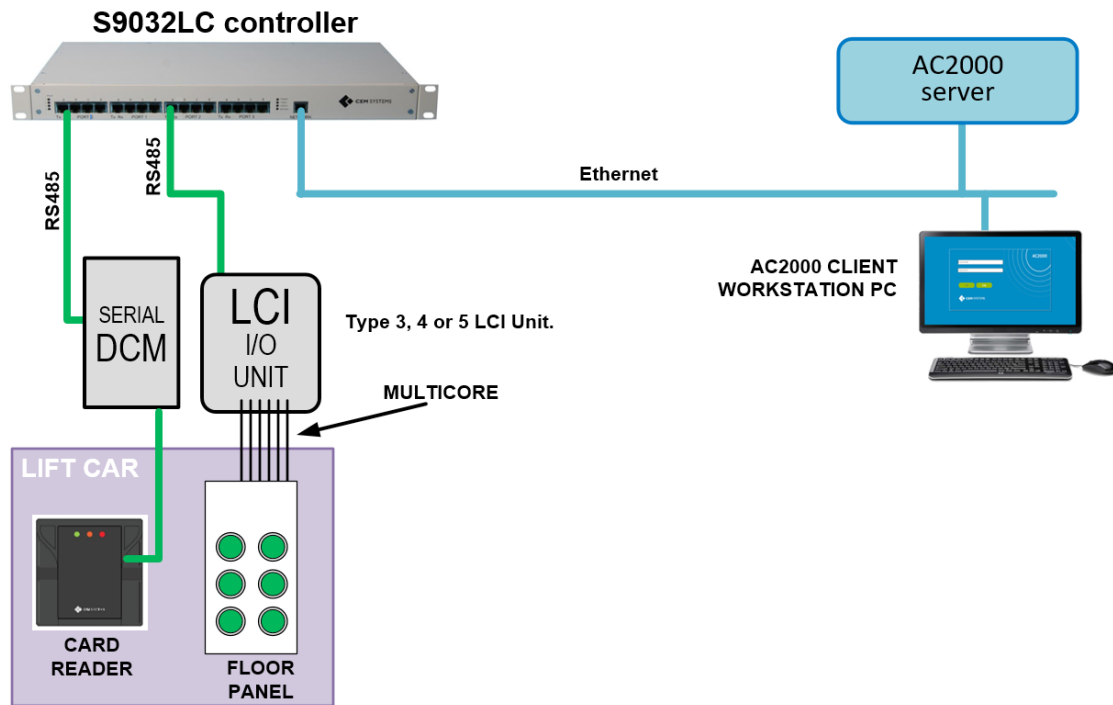
The LCI unit directly connects to a lift floor selection panel. The LCI unit outputs activate buttons on the elevator floor selection panel according to the access permissions of the card holder. The LCI inputs then record which button was pressed.

The Type 2B LCI is fitted with one output card (16 outputs), one input card (16 inputs), and a power supply unit all mounted in an enclosure. The Type 2B LCI links to a sDCM350 board to host an external CEM sPass read head.

The external CEM sPass DESFire reader is normally fitted within the elevator cabin adjacent to the floor selection panel. The Type2B LCI also supports an S700s intelligent reader controller, which can be fitted within the elevator cabin adjacent to the floor selection panel.

#### CEM Lift Control solution for up to 16 floors

At the heart of the AC2000 elevator control solution is the S9032 Lift Controller. The controller handles all access requests based on the access levels applied to any individual card holder. After a valid card transaction at the third party lift reader, an RS485 serial signal is sent to the Type 2B LCI unit. The LCI outputs to the lift floor selection panel, enabling controls only to the buttons that the cardholder has access to. When an enabled button is pressed the lift will function in the normal way. Each button may have a sensor, optionally connected to the LCI inputs. The LCI will send a signal back to the S9032 Lift Controller informing the AC2000 access control system which floor was selected.



## Specifications

Physical	
Size	400mm x 400mm x 200mm
Weight	9 kgs
Housing	Steel enclosure
Colour	Beige
Power	
Voltage	Mains power adapter 220-240Vac @ 50Hz (supplied)
Output voltage	12Vdc @ 2.0A
Current Consumption	300mA
Environmental	
Temperature	-10° to 50°C (14° to 122°F)
Humidity	95% non-condensing
LED Indicators	Online/Offline, comms connection, Activity/Status, Power and Heartbeat
Communication Interface	
To card reader	Encrypted RS485

## Ordering Information

Product Code	Description
DAC/390/L32	S9032 Lift Controller
IOC/000/008B	Encrypted Lift Control Interface Type 2B (up to 16 floors)
DCM/351/005	sDCM 350 (Board Only)
RDR/D10/110	Black sPass DESFire smart card reader with no keypad
RDR/D10/111	Black sPass DESFire smart card reader with keypad

## Requirements

- AC2000 v7.0 software & upwards
  - AC2000 Airport v7.0 software & upwards
  - AC2000 Lite Server bundle\* v7.0 & upwards
  - S9032 Lift Controller
  - CEM sPass reader
  - CEM sDCM 350
  - S700s Reader
- \* Not supported in AC2000 Lite Software-only Virtual Kit

## Related Products



AC2000 SE



Black sPass



S9032 Lift Controller



S700s

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For additional information, please visit [www.cemsys.com](http://www.cemsys.com) or follow CEM Systems on LinkedIn and Twitter.

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CEM/B/225 Rev B

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