

Reference design for lift and lift controller integration with the ACTatek device

From a cardholders or users perspective it is as simple as them entering a lift cab, presenting their card or their fingerprint to Actatek device. The Actatek device will decode the card or fingerprint and identify the users, and send the necessary information across using Wiegand output, which in conjunction with the Lift Controller carries out access checks on the a database to determine which floors the cardholder is allowed access to.

This information is then presented to the lift via **a series of relays** and used to enable the floor selection buttons in the cab.

The cardholder can then select an enabled floor and the lift cab will proceed as normal.

Depending on the lift specification the Lift Controller can also record which floor selection the cardholder requested, allowing reports to be generated at a later date.

Below is an example that implemented by our customer with customized relay board to drive the elevator.

