KONE Access Control Interface

Your access control system can be integrated with the elevators in your building.

- KONE Access Control Interface enables smoother integration between elevators and all building access control
- Makes possible the Integration with both conventional elevators and Destination Control Systems (DCS)
- Easy and straightforward installation process
- Ensures the best response times and minimizes influence of access control system on people flow capacity

Improved security with smoother people flow

Offices, hospitals and industrial buildings, as well as an increasing number of residential buildings, use access control systems to improve security and convenience. KONE Access Control Interface makes possible to connect any access control system with the KONE elevator control system to increase security in the building while improving people flow.

With integrated access control, users can move easily and securely to the elevator and their destination floor. When turnstiles are integrated with a Destination Control System (DCS), direct home floor call feature can be activated when a person passes through turnstile, ensuring smooth movement through the lobby to the final destination.

KONE supplies elevator group controllers and control panels, as well as space for installing card readers. The access control provider supplies the card readers, access control computer and network infrastructure, additionally, it is responsible for integration work on their behalf. Before installation on the site, KONE Access Control Interface is factory tested by KONE to ensure smooth operation.

Card reader in Car Operating Panel (COP)

Card reader in Destination Operating Panel (DOP)

Direct home floor call feature can be activated when Destination Control System and turnstiles are integrated.
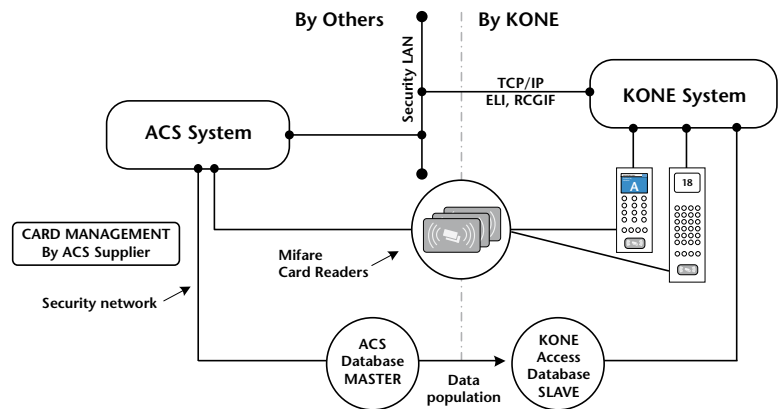
Integration of KONE Access with third-party access control system

When there is KONE Access in the building for the elevators, interface to third-party access control system(s) is easier to do with KONE Access Connectivity Suite™. This will ensure that all elevator features provided by KONE Access will be available, like e.g. priority calls, disability features, special profiles.

KONE Access Connectivity Suite is a software that has been tested, thus, ensuring robust solution. And though some cooperation with the third-party access control provider is needed, significantly less integration work needs to be done than with building integration from scratch.

End users have only one access card and experience it as one system. The third-party access control system's database will populate the KONE Access database with correct information. The facility manager also has to update and manage only one database.

KONE Access Connectivity Suite works with all elevator control systems and makes it possible to have also turnstile integration and direct home floor call feature.

By Others | By KONE
Security LAN
ACS System
TCP/IP ELI, RCGIF
KONE System
CARD MANAGEMENT By ACS Supplier
Mifare Card Readers
Security network
A
18
ACS Database MASTER
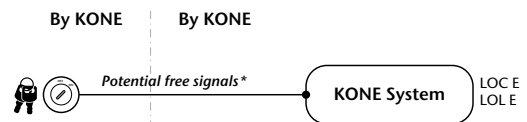Data population
KONE Access Database SLAVE

Elevator integration with any access control system

Your preferred access control system can be integrated with the KONE elevator system. The card readers can be installed in KONE elevator calling devices such as the COP or DOP.
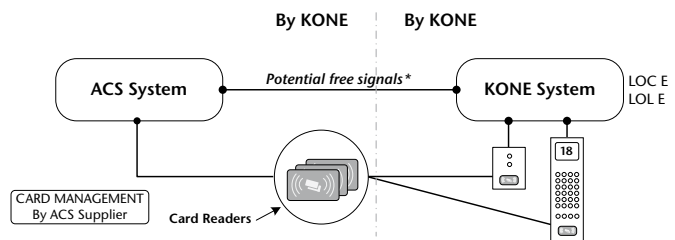
Conventional elevators

Key switch
A key switch can be used to lock one or several floors. A potential free contact of the key switch is connected to elevator system.

By KONE **By KONE**

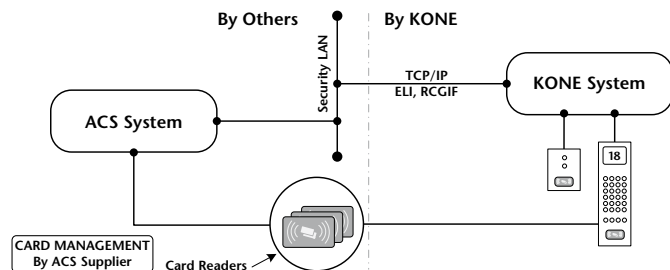*Potential free signals** → **KONE System** — LOC E, LOL E

Interface with Potential Free Contacts
The access control system can be integrated using a potential free signal interface. In this case potential free signals from the access control system are connected to the elevator control system.

By KONE **By KONE**

ACS System — *Potential free signals** → **KONE System** — LOC E, LOL E

CARD MANAGEMENT By ACS Supplier

Card Readers

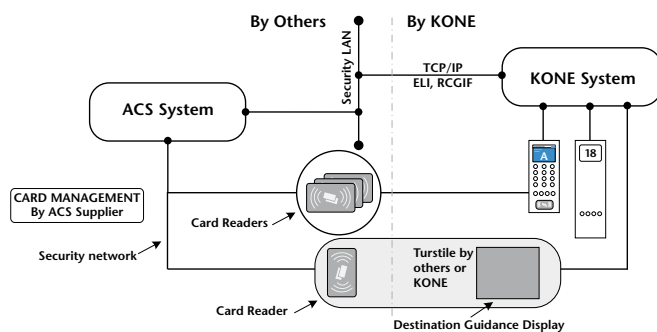**LOW-LEVEL INTERFACE**

TCP/IP interface
Conventional elevators can be integrated using a TCP/IP interface to the access control system. This interface supports card readers in the Car Operator Panel (COP) only.

By Others **By KONE**

Security LAN

ACS System — TCP/IP ELI, RCGIF → **KONE System**

CARD MANAGEMENT By ACS Supplier

Card Readers

Traditional Destination Control System (DCS)
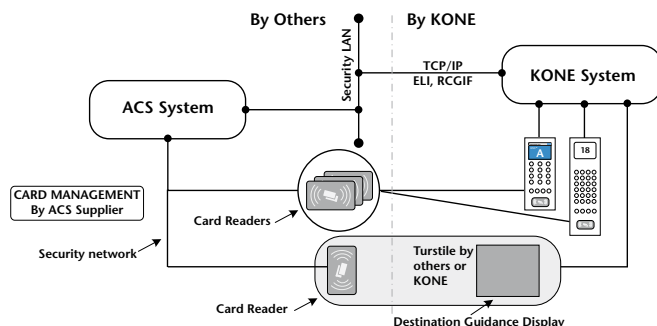
TCP/IP interface
When a traditional DCS is used, the calls are given only from the Destination Operating Panel (DOP). For this reason, the card reader is integrated only with the DOP. Turnstile integration can be done to activate direct home floor call feature when a person passes through it.

By Others **By KONE**

Security LAN

ACS System — TCP/IP ELI, RCGIF → **KONE System**

CARD MANAGEMENT By ACS Supplier

Card Readers

Security network

Card Reader

Turstile by others or KONE

Destination Guidance Display

HIGH-LEVEL INTERFACE

Hybrid Destination Control System (DCS)

IP interface
When a hybrid DCS is used, the calls are given from the Destination Operating Panel (DOP) and Car Operating Panel (COP). For this reason, the card reader is integrated with the DOP and COP. Turnstile integration can be done to activate direct home floor call feature when a person passes through it.

By Others **By KONE**

Security LAN

ACS System — TCP/IP ELI, RCGIF → **KONE System**

CARD MANAGEMENT By ACS Supplier

Card Readers

Security network

Card Reader

Turstile by others or KONE

Destination Guidance Display

NOTE:
- The internet protocol TCP/IP interface makes installation easy because both systems are connected to same LAN.
  All KONE elevator systems can be connected to the building's access control system.
- The TCP/IP interface requires some software development on the Access Control System (ACS) vendor side.

KONE

KONE provides innovative and eco-efficient solutions for elevators, escalators, automatic building doors and the systems that integrate them with today's intelligent buildings.

We support our customers every step of the way; from design, manufacturing and installation to maintenance and modernization. KONE is a global leader in helping our customers manage the smooth flow of people and goods throughout their buildings.

Our commitment to customers is present in all KONE solutions. This makes us a reliable partner throughout the life cycle of the building. We challenge the conventional wisdom of the industry. We are fast, flexible, and we have a well-deserved reputation as a technology leader, with such innovations as KONE MonoSpace®, KONE EcoMod™ and KONE UltraRope™.

KONE employs on average 47,000 dedicated experts to serve you globally and locally.

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