



Did you know that KCC do Access Control Systems

We work with leading brands and manufacturers of access control, electronic locking systems and entrance systems to deliver competitive, cost-effective access solutions that work for clients and customers across all industries.

Key forms of Access Control Technology specified

- Near Field Communication (NFC)
- Radio Frequency Identification (RFID)
- Bluetooth Accessibility
- Biometric Access
- Contactless Access

Near Field Communication (NFC)

Near Field Communication (NFC) technology is increasingly being used in access control systems due to its ability to provide secure and convenient communication between devices. NFC-enabled access control systems work by using short-range (within 4 inches) wireless communication between a mobile device and a reader, allowing users to easily gain access to a secured area by presenting their mobile device as a digital key. This eliminates the need for physical keys or access cards, making it easier for users to gain entry without the risk of losing their keys or cards.

Radio Frequency Identification (RFID)

RFID technology is widely used today in multiple industries including hospitality, commercial, residential and industrial. It's primary function in access control is to enable wireless communication between a reader and an RFID tag.



An RFID tag is installed in a key card or fob which building occupants use to access the building. RFID readers are installed near the door to which they manage access. These readers are fitted with antennas that receive the data transmitted by the RFID tags.

A control panel on the building management system server reads and interprets this data either verifying the users credentials and authorising access via the buildings electric locking or rejects in the event that the user is not authorised to enter.

Bluetooth accessibility

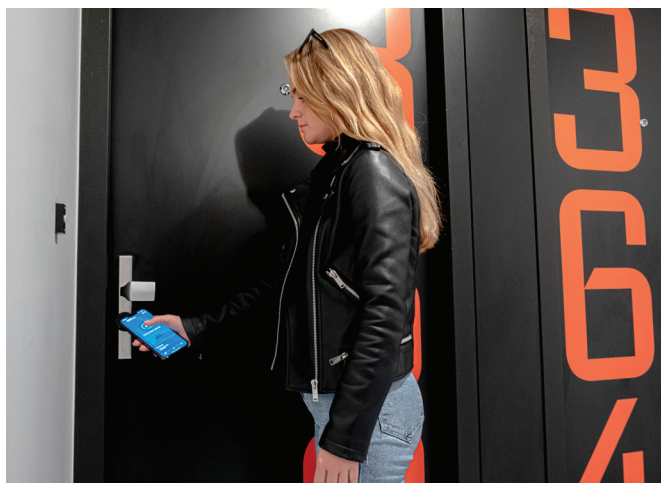
Bluetooth technology has become a popular choice for access control systems due to its ability to provide secure and convenient communication between devices. With Bluetooth-enabled access control systems, users can easily gain access to a secured area by simply presenting their mobile device, which acts as a digital key, to the system. This eliminates the need for traditional physical keys or access cards, making it easier for users to gain entry without the risk of losing their keys or cards.

Biometric Access Control

Our Biometric Access Control solutions can be used to strengthen the security of your building with user authentication that incorporates a physical characteristic—fingerprint, palm, iris, or facial recognition—with a digital one. By using features that distinguish one individual from another, you can manage the access of people with different privileges in a simple yet highly secure way. Giving you an additional layer of security by ensuring that your employees, customers, or visitors cannot gain entry to unauthorised areas.

Contactless Access Control

We utilise a variety of versatile, contactless activation and door release switches for contactless door activation in lieu of push buttons and other activation point devices that would normally require contact to engage. These switches use motion detection to operate and can be flush or surface mounted. Rated for IP50, these sensor activated switches are suitable for most environments and can be especially useful in cleanroom or clinical installations where hygiene control is of utmost importance. KCC's contactless activation switches easily integrate with existing systems including automatic doors and access control doors to provide a safe, clean method of operation and are commonly used by KCC in their complete access systems across all sectors. As an alternative we also offer other slim, aesthetically-pleasing activation switches using infrared technology and motion detection to operate automated doors.



Creating an integrated access control system

An enterprise level physical access control system will provide control of all your access offering high-end functionality with strong security compliance to meet the high demands of your building. Be it doors, turnstiles, barriers, lifts or gates our strongly encrypted fully distributed access control systems will manage your facility and people seamlessly day and night.

Providing highly customisable software with live events, audit trails, visitor management, lift integration, email alerts, guard patrol, escorted access and historical reporting our Enterprise Security Management Solutions meets and far exceeds all expectations.

Our robust and sophisticated hardware meets the full demands of a modern world with unmatched longevity ensuring your investment is as protected as your people.



Important considerations when specifying Access Control Technology

Security: What security features such as encryption or authentication do you require and what are the capabilities of the technology you are specifying?

Remote management: Will you need to be able to monitor your system remotely? Is the technology you are specifying capable of doing this?

Cost-effective: What is your budget? This will have an impact of the technology you can specify. For example, NFC systems are an attractive option for small businesses or organisations who have limited budgets but require a reliable security solution.

Compatibility: Will the technology specified integrate with existing or other systems?

Scalability: Is the technology or system capable of being scaled up or down in line with the changing needs of an organisation? Can additional users or locations be added easily?

Suitable applications

- Government
- Retail
- Finance
- Information Technology
- Telecommunications
- Banking
- Publishing
- Leisure
- Education