



Getting People Back To Work During COVID-19

Minimize Contact with Touchless Access Control Devices

INTRODUCTION

The outbreak of the COVID-19 virus has presented a challenge to communities and businesses.

The use of **Electronic Access Control** has become more than a means to prevent criminal activity. It's now appearing as a key tool for businesses in the following ways:

- ✓ To manage and audit occupancy levels to ensure social distancing
- ✓ To enhance customer experience by giving customers appointments and a QR code, allowing hands-free entrance
- ✓ By proving other hands-free devices such as touch-free exit buttons, Bluetooth readers, QR code readers
- ✓ By providing temperature reading facial devices which can also check if people are wearing a mask
- ✓ By providing contact traceability reports where a person had become infected, and you want to trace who may come in contact, or was working in that vicinity
- ✓ Giving alarms on busy locations to assist deployment of cleaning staff in real-time.

As we start actively planning to open our places of work safely, Vanderbilt is providing our customers with smart and reliable strategies to help create a safer environment for staff and visitors.

At Vanderbilt, we have explored best practices for protecting employees and visitors when they come to a building.

By implementing the following security strategies, we believe businesses can help create a safe environment.

- ✓ Area counting
- ✓ Pre-booking systems for customers and visitors
- ✓ Minimize contact with access control devices
- ✓ Contact trace reporting
- ✓ Thermal image camera usage with mask detection and palm reading
- ✓ Visitor management systems
- ✓ Remote security management and maintenance
- ✓ Providing alarm when thresholds are met to alert cleaning staff to cleanse an area.

Contactless Credentials: There are several options of credentials to provide user access. Some of these, such as fingerprint readers and pin code readers, still require surface contact. We have many credentials that can provide access using contactless technologies.

Bluetooth enabled smartphones offer an effective form of contactless/frictionless access control. It also provides a remote method of deploying new cards/credentials with no physical unit.



Touch-free request to exit (RTE) buttons have traditionally functioned from physical contact with a button. While this provides effective door release functionality, these buttons can be very high contact points. Touch-free push to exit buttons operate on infra-red technology allowing doors to be opened without touching.

Touch-free biometric devices such as facial recognition readers and palm readers mean that no physical interaction is needed with the reading device.

QR code readers give a low cost (low secure) way of easily emailing credentials which people can display on their phone to gain access.

Example:

Using secure Bluetooth readers and credentials means that people don't need to get close to the reader at all to gain access. In fact, they can shake their phone from 10 meters away to gain access. And they have their credential securely sent to them without having to visit the ID administration center.

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