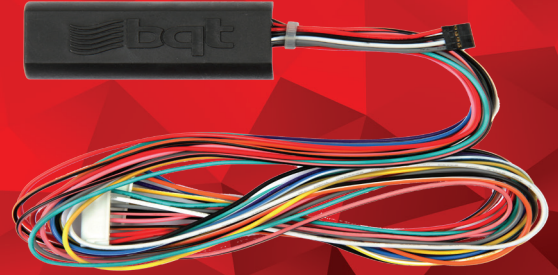


DATA CONVERTER



Product Overview

The Data Converter is a small inline device, engineered to bridge the technology gap that can arise in access control solutions. Built to convert main access data, this device can open up many new options when determining and designing a site's access requirements and upgrading security technology and systems.

Designed to work with challenging panels, data and readers, the data converter will encrypt communications between the BQT Reader and the panel as well as converting access data between Weigand, ODSP and RS485. Ideal for a transition solution to a more secure access control system, the data converter will convert access data at the panel allowing readers to work with a more secure data without the need to upgrade the entire system at once.

Why BQT Solutions

BQT Solutions is a specialist in the development, manufacture and supply of high quality, high security card and biometric readers, electromechanical locks and related electronic security products. Providing high security solutions to verticals such as Airports, Hospitals, Prisons and Government for over 35 years.

Product Benefits

Benefit One

Convert reader data to accepted panel data. The Data Converter offers a conversion solution to access control data problems. Designed to provide a solution to secure and convert reader data at the panel, the Data Converter offers a new secure access control system without the hassle and costs of upgrading the entire system.

Benefit Two

The Data Converter can be customised to suit installation specific problems.

Benefit Three

The small size and nature of the Data Converter means it is easy to add into an access control system without taking up any significant space.

PRODUCT APPLICATIONS

Used across all market sectors with insecure systems looking for an easy way to upgrade security technology

Innovating today for a more secure tomorrow

PRODUCT FEATURES

Wiegand to Wiegand securely

With security technology advancements improving over the last three decades, access control systems running on Wiegand data can be easily sniffed thus insecure. Installing a data converter at the reader and inside the panel allows the data to be converted into an encrypted format making it less likely to be sniffed inline.

Relay Control

Ideal for small businesses, the data converter can work as a small access control panel and can be used as a stand-alone system to connect a reader and a lock without needing a centralised panel.

LED/Buzzer Control

Designed to work with current access control systems, the data converter will still work with a reader's current feedback system, including buzzer and LED feedback. In addition, the output module offers updated safety and security measures without the need to change readers, panels, and feedback systems.

OSDP to Wiegand at the Panel

When upgrading from insecure Wiegand systems, it's common to install a data converter inside a locked Wiegand panel. This allows your access control readers and credentials to work with secure OSDP data without the urgent need to upgrade an access control panel.

Secure Data Encryption Kit

A kit can be purchased to provide a secure information path by encrypting Wiegand signals at both transmission ends. This is recommended when a Wiegand line requires longer cable runs and secure encryption away from the termination points.

SPECIFICATIONS

- **Voltage at Reader**
6VDC to 18VDC
- **Operating Temperature**
-25°C to +65°C (-13°F to +149°F)
- **Relative Humidity (% max)**
90%, operating non condensing
- **Dimensions**
65mm (2.56") X 20mm (0.79") X 25mm (0.98")
- **Materials**
Reader / Shroud Body: ABS Plastic
Colour Finish: Charcoal
- **HSM Encryption**
128-bit AES Encrypted RS485
- **Feedback**
Green/Red LED
- **Converter I/O Formats**
Wiegand, Plain/Encrypted RS485, OSDP
- **Compliance and Certification**
FCC, CE, RCM, RoHS, IP65
- **Module Variants**
B1000 – High Security Module (HSM)
B1002 – Wiegand-RS485 Converter
B1003 – RS485-Wiegand Converter
B1004 – Wiegand-Wiegand Converter
B1009 – Secure Data Encryption Kit
B1010 – OSDP-Wiegand Converter

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