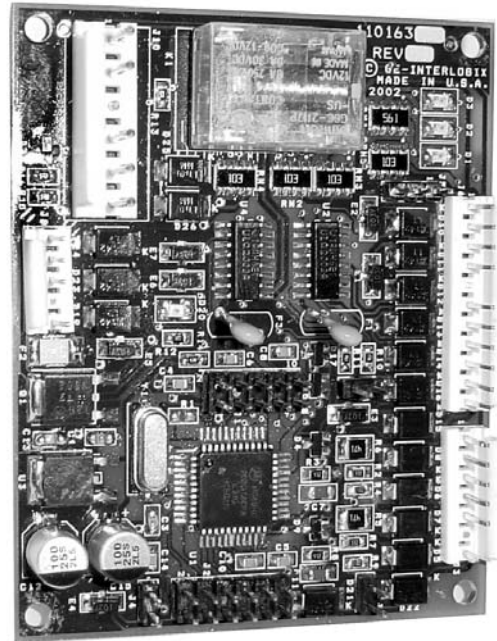




Wiegand Interface Unit-4 (WIU-4) Badge Identification Data Converter (4-State Supervision)



By combining the Wiegand Interface four-state supervisory monitoring/reporting feature with any conventional Proximity, Mifare®, and ISO 15693 readers, security system administrators will receive immediate alarm notification if a short circuit, cut line, or open/close circuit condition occurs between the WIU-4, Request-to-Exit (REX), and door Data Inputs (DI).

The WIU-4 provides a wiring union and Wiegand-to-Supervised F/2F transfer point for use with all CASI access control systems. The WIU-4 provides the communications interface that enables support of up to 16 Wiegand output readers per microcontroller.

CONFIGURATION INFORMATION

The WIU-4 is fully compatible with both Picture Perfect and Secure Perfect Editions. Connected individually to standard Wiegand readers, the WIU-4 transfers the Wiegand badge data to the Micro/5-PX or Micro/5-PXN equipped with up to two 8RP Reader Processor boards. For smaller systems containing up to four readers per microcontroller, the WIU-4 can be configured with a Micro/PX-2000 or Micro/PXN-2000.

The WIU-4 also bridges common wiring connections for junction box system designs. Door contact, request-to-exit, door strike, and alarm shunt outputs are all supported by the WIU-4.

UNIT OPERATION

The WIU-4 works with current microcontroller firmware versions and supports most non-proprietary Wiegand data formats.

FEATURES

- Four-state supervised monitoring/reporting for door and REX signals
- Reader-to-microcontroller cable distance of up to 2,500 ft. (762 m)
- Heavy-duty 5.0 A door strike relay
- Converts Wiegand card data formats into Supervised F/2F format
- Supports standard two-wire Wiegand output communications
- Supports up to 24 VAC door strikes
- Short circuit protection with self-resetting fuses
- Switch and adjustment free
- FCC, CE mark, UL 294 (pending)

Wiegand Interface Unit-4 (WIU-4)



SPECIFICATIONS

| | |
|-----------------------------|---|
| Cabling distance | Reader to WIU-4: 250 ft. (76.20 m) Micro to WIU-4: 2,500 ft. (762 m) |
| Dimensions (HWD) | 3.10" x 2.50" x .644" (78.74 x 63.50 x 16.35 mm) |
| Humidity Range | 0% to 95% non-condensing |
| Status LEDs (green) | Door contact, On = door closed Data, Flashing = data transfer Door DO, On = active Power, On = power |
| Operating Temperature Range | +41°F to +150°F (+5°C to +66°C) |
| Relay, door strike | 5.0 amps, 30 VDC |
| Weight | 1.6 oz (45.35 g) |

COMPATIBILITY

| | |
|------------------------|---|
| Access Control Systems | Picture Perfect Editions: Firmware 1.70 or higher Secure Perfect Editions: Firmware 3.0 or higher |
| Host systems | Picture Perfect Editions (1.55 or higher) Secure perfect Editions (3.0 or higher) |
| Microcontrollers | Micro/5-PX w/8RP Micro/5-PXN w/8RP Micro/PX-2000 Micro/PXN-2000 |
| Readers | All standard two-wire Wiegand output |
| Wiegand Data Formats | Program to support multiple Wiegand data formats up to 40- bits. Default Wiegand data formats include 26-, 32-, 35-, and 40-bit. |

DESCRIPTION

Wiegand Interface Unit-4 (WIU-4), convert Wiegand to Supervised F/2F, one per reader, door strike relay, and alarm shunt

ORDERING NUMBER

430160001

CUSTOMER SUPPORT

GE Interlogix and their CASI Business Partner Network offer a full range of support services including site surveys, installation supervision and training. Emergency support is available 24 hours a day, seven days a week.

FOR MORE INFORMATION

Please contact the authorized CASI Business Partner nearest you to see how the Wiegand Interface Unit-4 can meet your specific requirements. For a list of authorized resellers visit www.ge-interlogix.com.



GE Interlogix

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