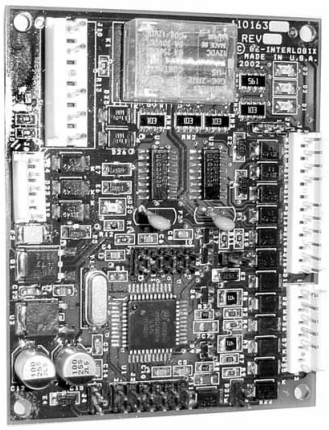
UTC Fire & Security
A United Technologies Company

Wiegand Interface Unit-4 (WIU-4)

430160001

Wiegand Interface Unit-4 (WIU-4)

By combining the wiegand Interface four-state supervisory monitoring/reporting feature with any conventional Proximity, Mifare and ISO15693 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 UTC access control systems. The WIU-4 provides the communication interface that enables support of up to 16 Wiegand output readers per microcontroller.

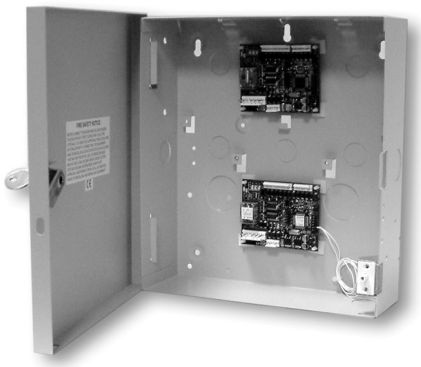


Specifications

Cabling Distance	
Reader to WIU-4	76 m @ 12 VDC with 20 AWG cable
Microcontroller to WIU-4	300 m @ 12 VDC with 20 AWG
Dimensions (HWD)	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
Operating Temperature Range	5° to 66° C
Relay, door strike	5.0 Amps, 30 VDC
Weight	45g

Compatibility	
Access Control Systems	Picture Perfect Editions: Firmware 1.70 or higher
	Secure Perfect Editions: Firmware 3.0 or higher
Host Systems	Picture Perfect 1.55 or higher
	Secure Perfect 3.0 or higher
	Facility Commander Wnx 7.0 or higher
Microcontrollers	M5 PXNPlus, PXN, PX with 8RP, M2000 PXNPlus
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-, 37- and 40-bit

Ordering Information

430160001	Wiegand Interface Unit-4 (WIU-4)

- Four-state supervised monitoring/reporting for door and REX signals
- Reader-to-microcontroller cable distance of up to 300m @ 12 VDC with 20 AWG cable
- Heavy-duty 8.0 Amp door strike relay (30 VDC maximum)
- Converts Wiegand data formats into supervised F/2F format
- Supports standard two-wire Wiegand output communications
- Supports up to 30 VAC door strikes
- Short circuit protection with self-resetting fuses
- Switch and adjustment free
- FCC, CE mark, UL 294