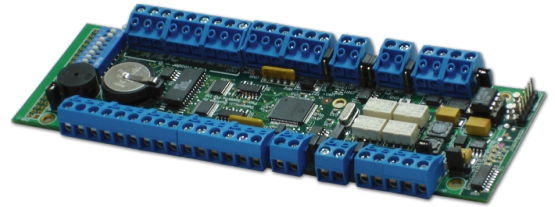


1076 INTELLIGENT TWO-DOOR CONTROLLER

'A dual card reader interface with intelligent offline capabilities'



OVERVIEW

The Pacom 1076 Intelligent Two-Door Controller combines the functionality of a dual card reader interface with fully redundant offline processing and local storage of up to 1000 cardholder records and 500 valid card transactions.

The Pacom 1076 Intelligent Two-Door Controller provides a hard-wired interface connection for two independent access control devices using standard Wiegand or magnetic stripe formats.

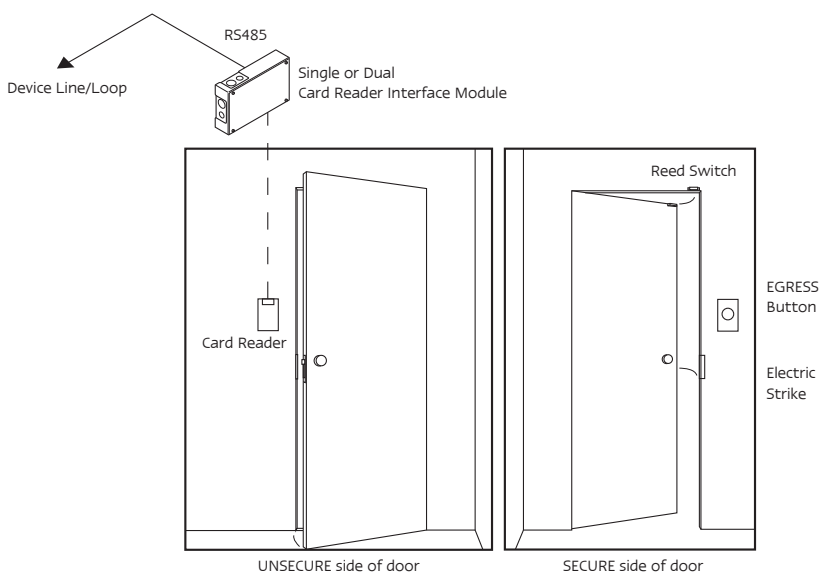
Each reader port provides independent strike relay output status, LEDs, external buzzer and one spare open collector output.

Each reader port provides four EOL supervised inputs (Door Status, Egress, Strike Monitor and one spare).

The Pacom 1076 Intelligent Two-Door Controller communicates via its RS485 multi-drop port to various Pacom field controllers.

The number of Pacom 1076 modules that can be connected depends upon the capacity and configuration of the field controller.

ARCHITECTURE



FEATURES

- Supports two independent readers
- Support for Wiegand and Magnetic Stripe formats
- Independent door-strike outputs
- Redundant offline capacity:
 - 1000 cardholders & 500 transactions
- Outputs (each reader port):
 - Strike Relay
 - Spare Relay
 - Two Status LED Outputs
 - Spare Open Collector
 - External Buzzer
- Inputs (each reader port):
 - Door Status
 - Egress
 - Spare Input 1 / Strike Monitor
 - Spare Input 2
- Remote downloadable firmware
- On-board buzzer
- Software controlled interlock
- Tamper input
- Monitors on-board lithium battery

TECHNICAL SPECIFICATIONS

SUPPORTED CARD RANGE

Wiegand cards up to 64 bits can have encoded card numbers in the range of 0 (zero) to 4,294,967,295.

INPUTS (EACH READER PORT)

Four supervised inputs which can be used for the following functions:

- Door Status (door forced, door held)
- Egress
- Spare Input 1 / Strike Monitor
- Spare Input 2

OUTPUT POINTS (EACH READER PORT)

- One on-board relay (1A @ 30VDC contacts)
- One open-collector (100mA @ 30VDC) - may use on-board buzzer

MULTI-CARD FORMAT

Enables support for up to five different Wiegand card formats at the same time. One of these formats must be 26-bit standard format but the remaining four can be customized and include up to three parity bits.

INTELLIGENT OFFLINE CAPABILITIES

If enabled, up to eight facility codes can be programmed for increased redundancy. This is automatically enabled when the card reader interface loses RS485 communications with the field controller.

LEDS

LEDs to indicate RS485 comms, power, and strike status.

SUPPORTED READERS / KEYPADS

- Matrix Keypad
- Microprox Reader/Keypad
- Mercury MR20 Reader/Keypad (Magstripe interface)
- Mercury MR20 Reader/Keypad (Wiegand interface)
- Standard Magstripe
- Standard Magstripe (Wiegand interface)
- Mosler Magstripe
- Standard Wiegand
- Wiegand Keypad
- HID Wiegand Insert Reader
- HID Wiegand Key Reader
- HID Wiegand Reader/Keypad
- Multicard Format

SUPPORTED CARD FORMATS

- Magstripe Track 2
- Wiegand 26-bit and Generic Wiegand
- Multicard Format - support for 26-bit AND up to four other configurable Wiegand formats

PCB DIMENSIONS

174mm L x 55mm W (6.9" x 2.1")

WEIGHT

118g (4.16oz)

OPERATING ENVIRONMENT

Operating: -10° to +55°C (14° to 131°F)
0 - 93% +/- 2% Rel Humidity Non-condensing

POWER INPUT

12 VDC +/- 15%

POWER OUTPUT

12 VDC +/- 15% 80mA max

POWER CONSUMPTION

Typically 66mA @ 12VDC (with no devices attached)

COMMUNICATION

Two-wire RS485

COMPLIANCE / ACCREDITATION

- RoHS compliant
- Radiation: AS/NZS CISPR22:2006 Class A
 - EN55022:2006 Class A
 - FCC Title 47 Part 15 Subpart B Class A
- Immunity:
 - EN50130-4:1995 including amendments 1 and 2
 - EN61000-3-2:2006
 - EN61000-3-3:1995 including amendments 1 and 2
- Safety:
 - EN60950-1:2001
 - AS/NZS 60950.1:2003 INCL. AMDT.1

ORDERING INFORMATION

PART NUMBER	TYPE CODE	DESCRIPTION
300 062 001	1076R-001	1076 Intelligent Two-door Controller (Dual CRI)
400 050 010	1076ENC	1076 Two-Door Card Reader Interface with enclosure including wall tear-off and lid open tamper contacts. Not available in USA.
ENCLOSURE		
400 072 001	PDENCL-02	Small wall-mount enclosure with removable lid (fits one 1076 PCB)