

## SECTION 28 13 26.04

## ACCESS CONTROL REMOTE DEVICES

## PART 2 - PRODUCTS

## 2.01 GENERAL

The peripheral interface device shall provide a solution for interfacing to a TTL/Wiegand, or 2-wire RS-485 type reader and door hardware. It shall also provide a tri-state LED control and buzzer control, two relay outputs and two programmable inputs.

## 2.01 TECHNICAL SPECIFICATIONS

- A. Primary Power: 12-24 Volts DC +/- 10%, 150mA maximum; 12Vdc at 110mA nominal; 24Vdc at 60mA nominal
- B. Communication: 2-wire RS-485, 4,000 feet using Belden 9841 cable
- C. Inputs:
  - 1. Two general purpose - programmable circuit type
  - 2. One dedicated: tamper
- D. Outputs: Two relays – Form-C, 5 Amp, 28 volts direct current and Form-C 1 Amp, 28 volts direct current
- E. Readers Port: One reader port
  - 1. Power input voltage pass through
  - 2. Signaling clock/data, data-1/data-0, or 2-wire RS-485 (2 devices)
- F. LED: Two-wire or one-wire bicolor support
- G. Buzzer: One-wire LED mode
- H. Temperature: -40 to 75 degrees Centigrade operational, -55 to 85 degrees Centigrade storage
- I. Humidity: 10 to 95 percent RHNC
- J. Standards:
  - 1. UL294 Recognized, CE Compliant, ROHS

## 2.02 TECHNICAL FEATURES

- A. Connectivity: 2-wire RS-485
- B. Door Control: clock/data, data-1/data-0, or 2-wire RS-485, two programmable inputs, two relay outputs

- C. Card Formats:
  - 1. Eight active card formats per intelligent controller
  - 2. 19 digit (64-bit) User ID and 15 digit PIN numbers maximum
  - 3. PIV-II, CAC, TWIC card compatible
- D. Card Reader Functions
  - 1. Multiple card format support by reader
  - 2. Biometric device support
  - 3. Keypad support with programmable user commands, card input
- E. Database Functions
  - 1. Supports up to nineteen (19) digital card numbers
  - 2. Supports pin codes up to fifteen (15) digits
- F. Intrusion Alarm Functions
  - 1. Supports entry delays and exit delays
- G. Offline mode operation
  - 1. Door mode
    - i. Unlocked, locked, facility code only
  - 2. Relay Mode
    - i. Programmable for offline conditions

End of Section