

# CYPRESS

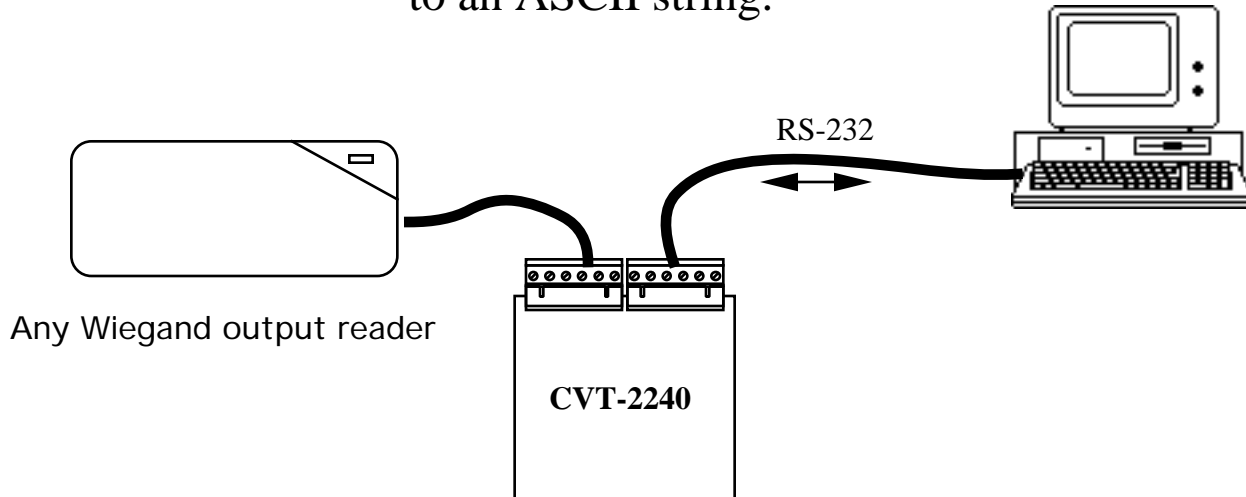
## CVT- 2240

Wiegand -> ASCII Converter

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Converts encoded badge information from Wiegand readers  
to an ASCII string.



## Features

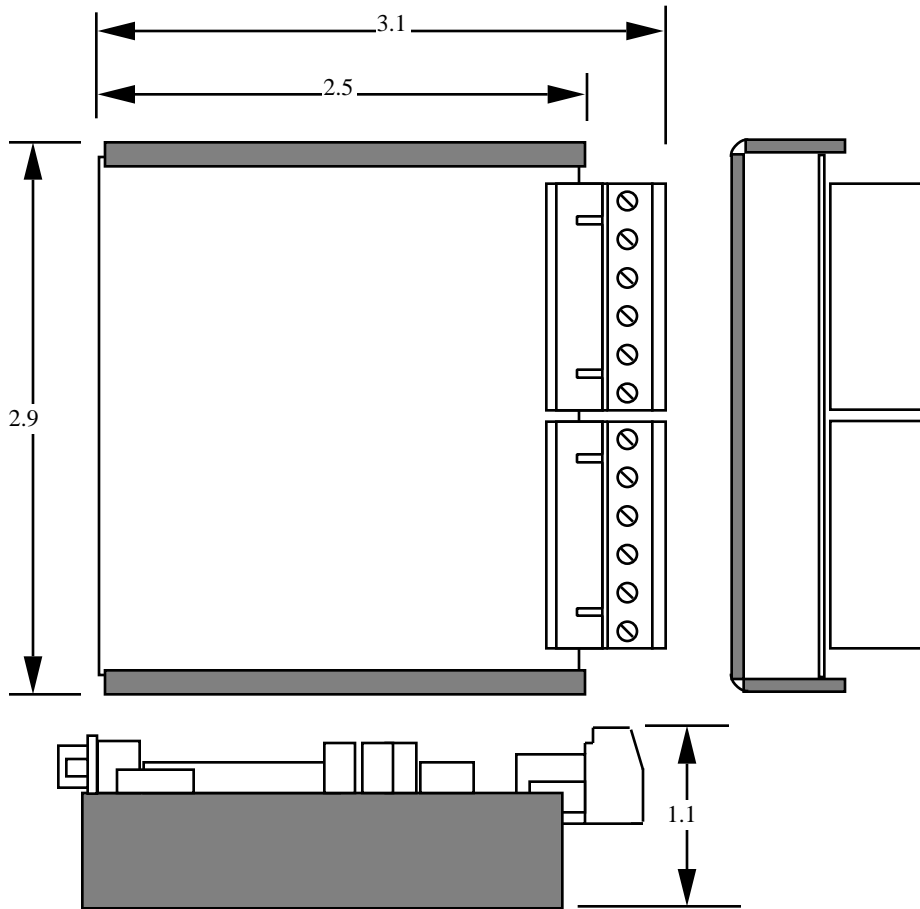
- Encoded badge information is transmitted as an ASCII string.
- The Reader's LED is activated by receiving a command string.
- A command sequence also controls an on-board relay.

## Description

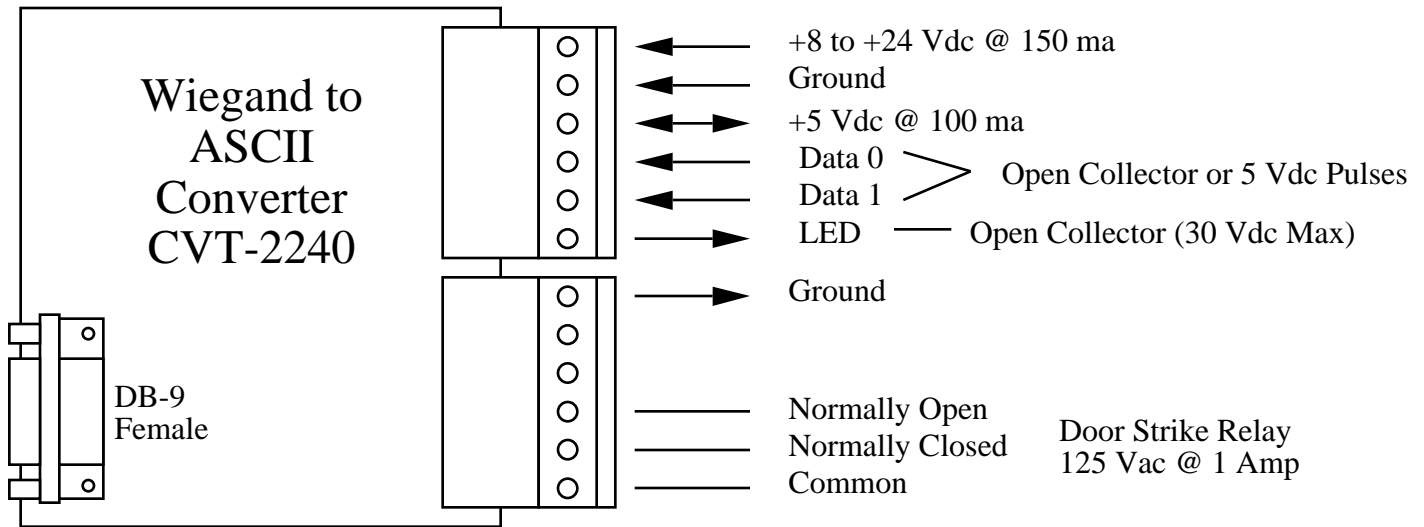
When connected to any Wiegand output reader, the encoded badge information is output as a formatted ASCII string. The output of the CVT-2240 can then be captured by a communications program running on a PC or printed directly on a serial printer. In addition, commands can be sent to the CVT-2240 to control the reader's LED and activate an auxiliary relay located on the Converter's circuit board.

## Applications

Verifying encoded badge information.  
Creating a database of existing badges.  
Entering badge information into a program.  
Testing badge or reader integrity.  
Remote Control of Door strikes, MagLocks, Turnstiles, and Gate arms.

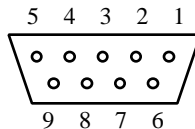


side view

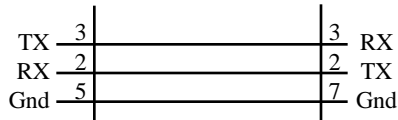


DB-9 Female

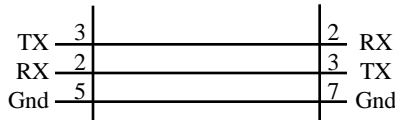
- 1...DCD unused
- 2...RX Data from Terminal/Printer
- 3...TX Data from CVT-2240
- 4...DTR unused
- 5...Ground
- 6...DSR unused
- 7...RTS
- 8...CTS
- 9...RI unused



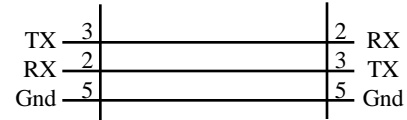
# Cables



CVT-2240 DB-9 Male  
Computer DB-25 Female



CVT-2240 DB-9 Male  
Printer DB-25 Male



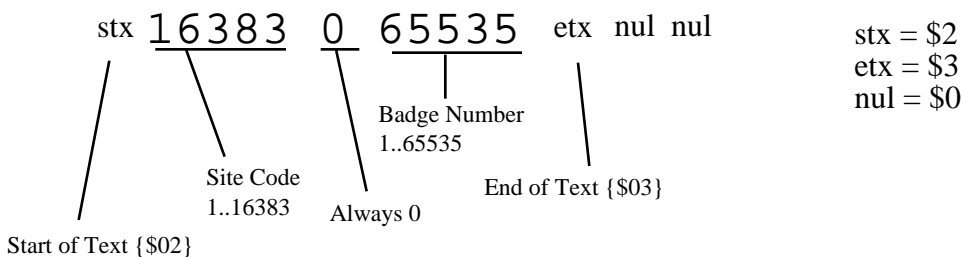
CVT-2240 DB-9 Male  
Computer DB-9 Female

Communications: 9600 BPS ASYNC, 8 bits, 1 Stop, No Parity

RX Data:

- Turn LED on..... @ L 1
- Turn LED off..... @ L 0
- Toggle LED..... @ L 2 (Bi-Color LED Turns Orange)
- Turn Relay on..... @ R 1
- Turn Relay off..... @ R 0
- Enable Format Processing... @ P 1 (Outputs Badge Num,Site Code,Fixed Code for recognized formats only)
- Disable Format Processing.. @ P 0 (Outputs Decimal Representation of all card bits)

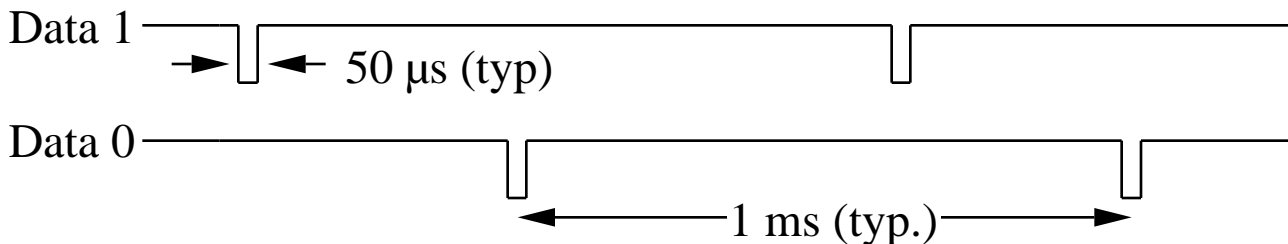
TX Data:



The above output would result from the following input:

```
xxxxxxx111111111111111111111111111111111111x
12345678901234567890123456789012345678901234
xxxxxxxSSSSSSSSSSSSSSBBBBBBBBBBBBBBBBxxxxxxx
```

### Input Characteristics of CVT-2240



This Device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:  
 (1) this device may not cause harmful interference,  
 (2) this device must accept any interference received, including interference that may cause undesired operation.