CYPRESS

CVT- 2240

Wiegand -> ASCII Converter

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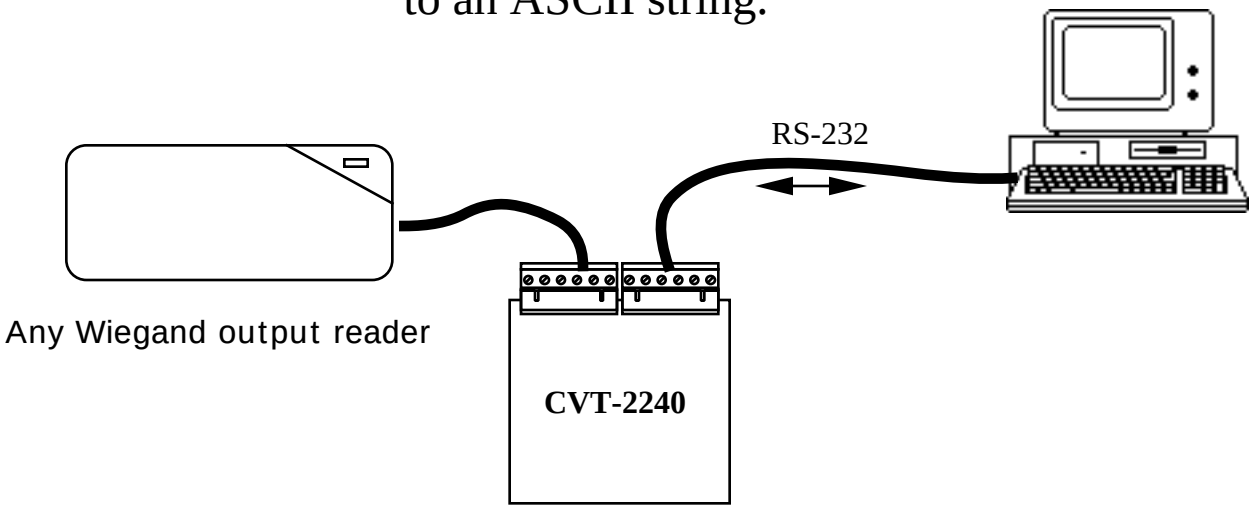
Converts encoded badge information from Wiegand readers to an ASCII string.



Features

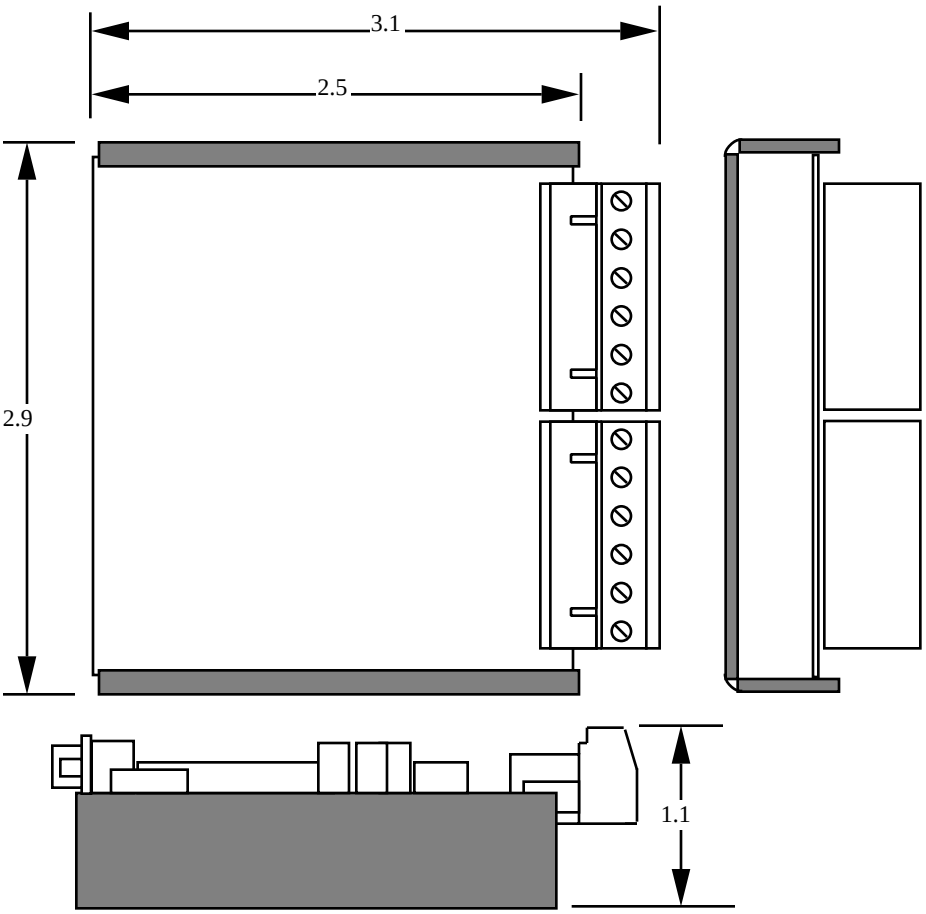
- Encoded badge information is transmitted as an ASCII string.
- The Reader's LED is activated by receiving a command string.
- A command sequence also controls an on-board relay.

Description

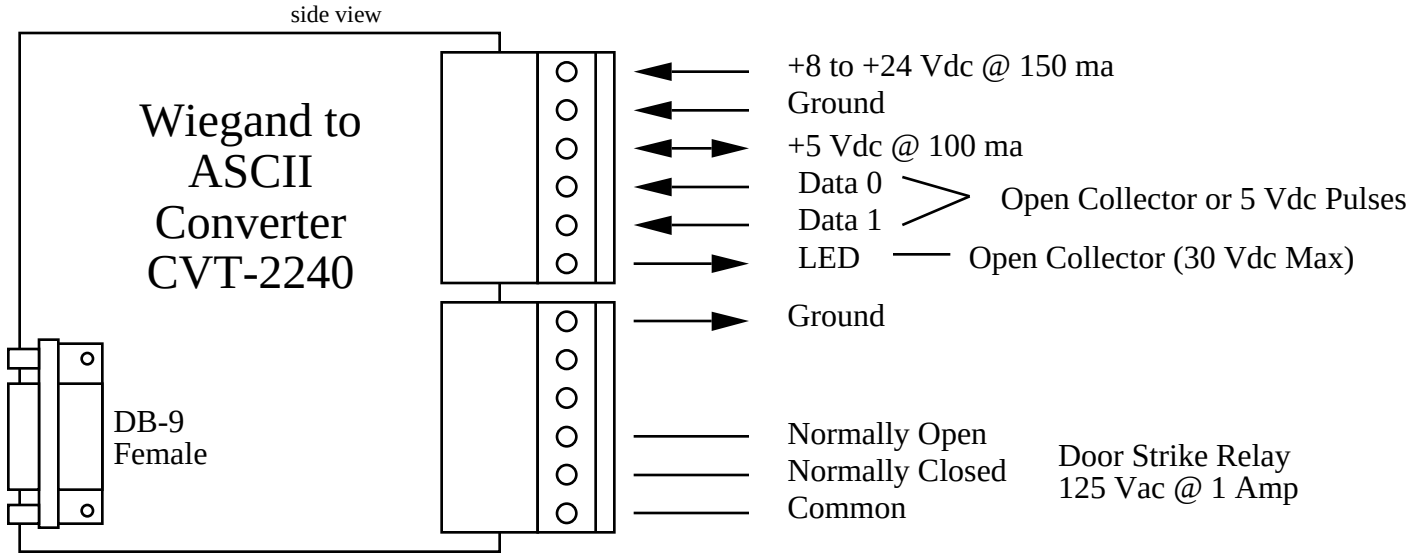
When connected to any Wiegand output reader, the encoded badge information is output as a formatted ASCII string. The output of the CVT-2240 can then be captured by a communications program running on a PC or printed directly on a serial printer. In addition, commands can be sent to the CVT-2240 to control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

Applications

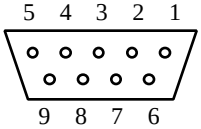
Verifying encoded badge information.
Creating a database of existing badges.
Entering badge information into a program.
Testing badge or reader integrity.
Remote Control of Door strikes, MagLocks, Turnstiles, and Gate arms.



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
```



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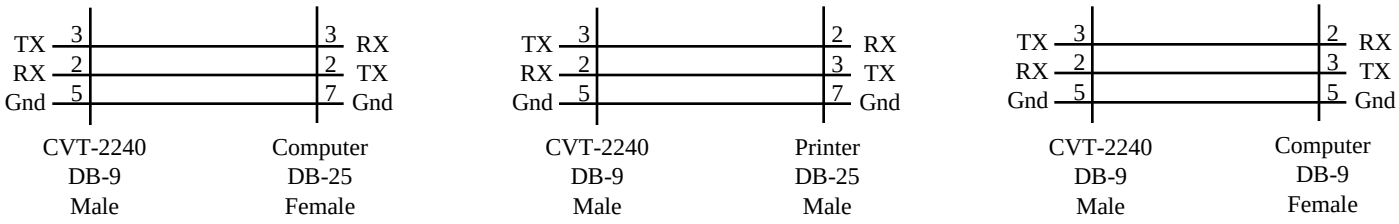
Cables

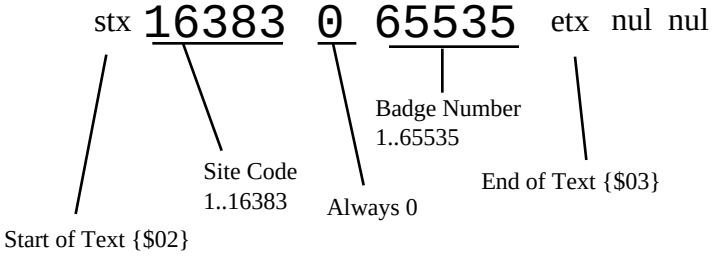


Communications: 9600 BPS ASYNC, 8 bits, 1 Stop, No Parity

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:



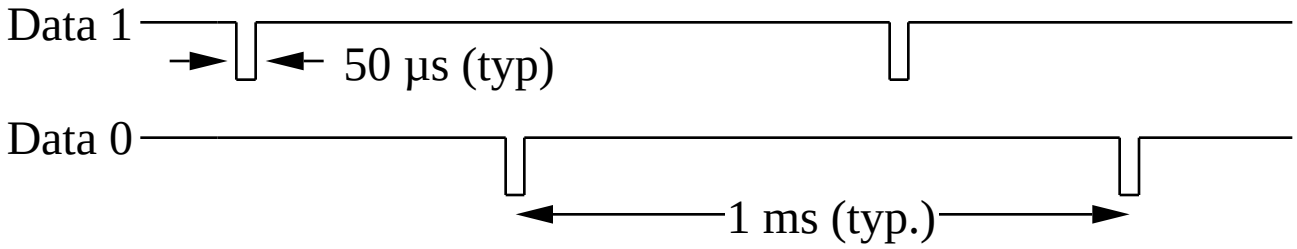
stx = $2
etx = $3
nul = $0

The above output would result from the following input:

```
xxxxxxx11111111111111111111111111111111x

123456789012345678901234567890123456789012345
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.

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