

Model 150 Decoder/Scan Head Interface

Technical Specifications



Small Compact Size with User Programmable Firmware for Easy System Configuration

Unit packaged in a rugged aluminum housing or available at the board level only for embedded OEM applications.

User friendly menus for customizing communications and configurations parameters for maximum flexibility.

Two inputs and four outputs for maximum system flexibility and adaptability.

Flash memory permits in-field upgrades and customization.

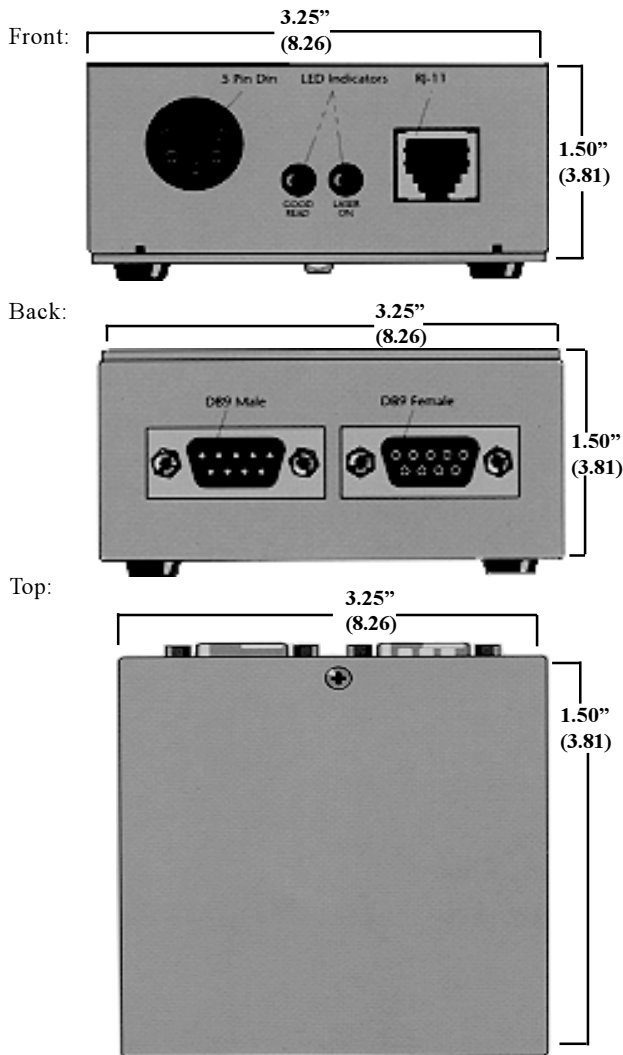
Surface mount components for maximum reliability and compactness.

Optional chip set available for customer embedded board applications.



MECHANICAL ENVELOPE

Measurements in inches (millimeters)



Enclosure:
Extruded aluminum painted

Weight:
6.5 ounces

ENVIRONMENTAL

Enclosure:
Aluminum, painted

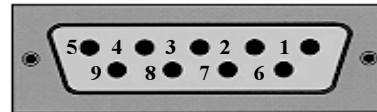
Operating Temperature:
32½° F to 140½° F (0½° C to 60½° C)

Storage Temperature:
-40½° F to 158½° F (-40½° C to 70½° C)

Relative Humidity:
0 to 95% noncondensing

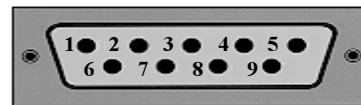
ELECTRICAL TERMINATION

9 Pin Female Sub-d Communications



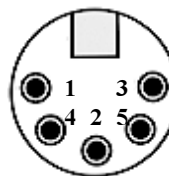
Pin No.	Function
1	-TD (RS422)
2	TXD (RS232)
3	RXD (RS232)
4	+RD (RS422)
5	Ground
6	-RD (RS422)
7	CTS
8	RTS
9	+TD (RS422)

9 Pin Male Sub-d
Inputs/Outputs



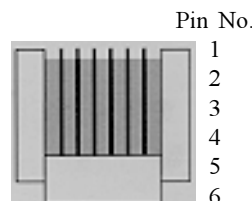
Pin No.	Function
1	Good Read Output (open collector 100ma)
2	No Read Output (open collector 100ma)
3	Good Compare Output (open collector 100ma)
4	No Compare Output (open collector 100ma)
5	Ground
6	Spare Input
7	Gate-Input (photoeye input)
8	No Connection
9	RS232 Default

5 Pin Din Female
Power



Pin No.	Function
1	+5v
2	No Connection
3	Ground
4	No Connection
5	No Connection

RJ 11 Plug
Scanner Interface



Pin No.	Function
1	+5v DC
2	Laser Enable
3	Scan Sync
4	Digital Data
5	Ground
6	No Connection

OPERATING PARAMETERS USER DEFINED:

Code Types:

- Codabar
- Code 3 of 9
- Interleaved 2 of 5
- EAN/UPC
- Code 128
- Code 93
- Pharmacode

Features Supported:

- Symbology - On/Off
- Compare Mode - On/Off
- Xmit Start/Stop Character - On/Off
- Check Character Required - On/Off
- Xmit Check Character - On/Off
- Read Count - 1 to 99
- Fixed Field Length - up to 5 different lengths

Gate Parameters:

- Reader; Mode of Operation - Continuous, Gate, Host, Change, Autogate, Timed Gate, Timed Host
- Laser Beam Tracking - On/Off
- Transmit to Host - Read/Close
- Autogate/Change Mode Time - 5mSec Increments
- Start/Stop Character - Any ASCII Character
- Number of Bar Codes - up to 5 max.

Communications:

- RS 232
- RS 422 - 4 wire
- RS 485 - Multi-Drop
- Baud Rate - 300 to 38.4k
- Data - 7 or 8 bits
- Parity - None, Even, Odd
- Stop - 1 or 2
- Transmission Protocol - None, RTS/CTS, XON/XOFF
- RTS - Low, High, Active
- CTS - Ignore, Active

Programmable Transmission Format:

- Transmit No-Read - Yes/No
- Transmit Symbol ID - Yes/No
- Transmit Direction - Yes/No
- Start Text - Codes or Commands
- Identify Text - Identifier
- No Read Text - 10 Characters Max.
- Good Compare Text - 10 Characters
- No Compare Text - 10 Characters
- End Text - 10 Characters
- End of Message Character - None, LF, CR, CRLF, ETX, TAB
- Multiple Bar Code Delimiter - 1 Digit

Compare Buffer:

- Entries Allowed - 20 (127 digits/characters max.)
- Insert into Compare Buffer-Code type and Characters
- Insert Last Read - Yes/No
- Show Compare Buffer - Yes/No
- Delete Buffer Entry - Yes/No
- Four Open Collector Outputs;
 - Good Read - 5mSec Increments
 - No-Read - 5mSec Increments
 - Good-Compare - 5mSec Increments
 - No Compare - 5mSec Increments
- Active High/Low
- No Compare On No-Read - Yes/No

CERTIFICATION

UL and CE marks submitted

WARRANTY

Parts and labor:
One year

STANDARD FEATURES

Surface mount components
Flash Memory
2 inputs, 4 outputs

FACTORY OPTIONS

Board level only
without case

Custom Software

Chip Sets/Contact Factory

Specifications subject to change 3/97