



intelligent motion systems, inc.  
Excellence in Motion™

# CV-3222

**RS-232 to RS-422 CONVERTER**

## OPERATING INSTRUCTIONS



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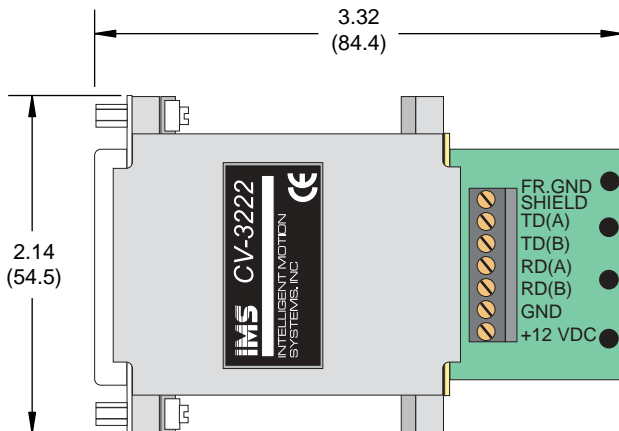
### Introduction

The CV-3222 is an in-line RS-232 to RS-422 converter. This product works well with all IMS indexer products and is useful when the indexer device is at a distance greater than 50 feet which is the RS-232 limit. The CV-3222 is recommended for use with the following IMS products:

- IM483I/IE
- IM1007I/IE
- Panther LI/LE
- Panther HI/HE
- LYNX Controller Products

### Mechanical Specification

Dimensions in Inches (mm)



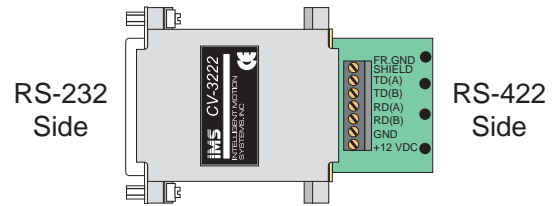
### Electrical Specifications

CV-3222 Specifications	
BAUD Rate	Up to 19.2 kbps
Connectors:	
RS-232 Side	DB-25F (DCE)
RS-422 Side	7 Pin Terminal
Isolation	1500 V Optical
Power Requirement	12 VDC @ 100 mA

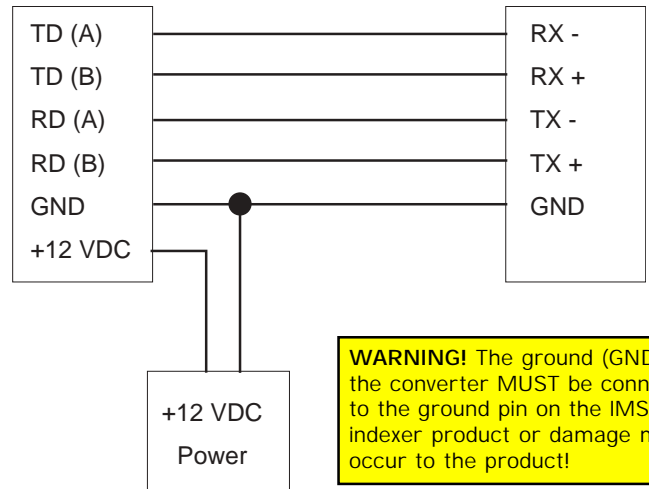
### Connecting the CV-3222

#### Recommended Wiring Practices

- Wire ..... 24 AWG Twisted Pair
- Strip Length ..... 0.200 in (5mm)
- Torque on Terminal Strip Screws ..... 3 lb-in (0.33 Nm)



A gender converter or DB25M to DB-9F adapter is required to plug the RS-232 side directly into a PC serial COM port.



**WARNING!** The ground (GND) of the converter **MUST** be connected to the ground pin on the IMS indexer product or damage may occur to the product!

**N** Most PC serial ports are able to provide sufficient power to the CV-3222 provided a standard adapter is used to connect the CV-3222 to the COM port. If this is the case it is not necessary to use an external +12VDC supply.

Sold by Servo Systems Co. 115 Main Road, P.O. Box 97, Montville, NJ 07045-0097  
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