

# TECH NOTES

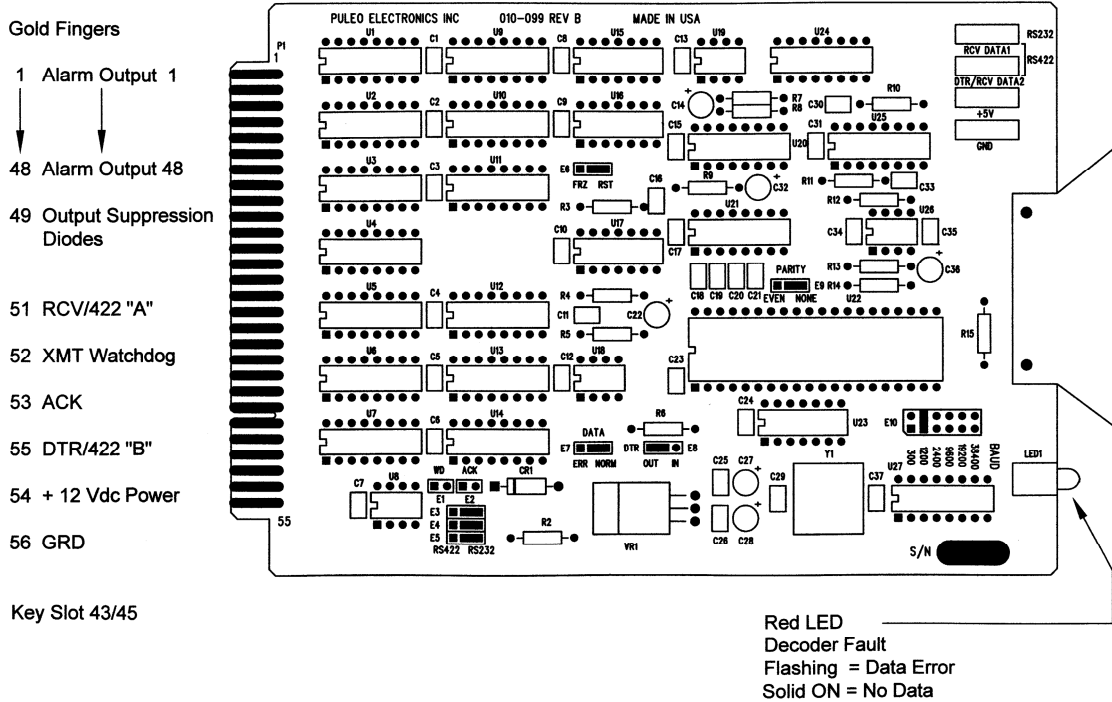
## PE 201-22-2 DECODER BOARD

The Decoder board receives the Encoders Serial data stream and decodes it back to 48 open collector outputs. Factory default configuration is communication parameters set for 7 data bits, no parity, 1 stop bit (7N1) at 1200 Baud.

E1	E2	E3/E4/E5	E6	E7	E8	E9	E10
On	Off	RS232	Reset	Norm	Out	None	1200

*Do not change board strap settings unless you fully understand their function and require a different feature.*

### Decoder Board Layout – PE 201-22-2



- E1 WD - XMT Watchdog restores lost PE 528 Ethernet Adapter connections
- E2 ACK - Allows Computer to generate Ack output for Annunciators
- E3, E4, E5 - Straps sets Transmission type to RS232 or RS422
- E6 FRZ/RST - On loss of communications Freezes output data, or Resets outputs after 2 sec
- E7 Data - Selects Output 48 for Normal Alarm Data, or Fault Error
- E8 DTR Flag - Sets flag at static 12V in Out position, acts as ACK trigger for Input position
- E9 Parity - Sets Parity for Even or None
- E10 Baud - Sets Data receive rate to 300, 1200, 2400, 9600, 19200, 38400

Notes:

1. Baud, Parity and Transmission type must match the Encoder or Computer transmitting device.
2. Optional ACK can be used with Puleo NMS Alarm software to perform simultaneous Annunciator Acknowledge (RS232 mode only, See NMS manual for more information).
3. Optional WD not used with full duplex system (Encoder/Decoder).