

# PRELIMINARY

**NEW**

## 1/8 DIN SERIAL REMOTE DISPLAY & CONTROLLER

**MODEL  
SRD**

### FEATURES:

- 4 1/2 LED or LCD 0.6" Digits
- 3 1/2 LED 0.8" Digits
- 5, 10-32VDC or 100-240VAC Power
- Inputs For: ASCII
- Serial Comm.: RS232, 485, or USB
- Lifetime Warranted
- Relay (4) Output
- Analog (1) Output
- Open Collector (4) Output

4 1/2 LCD    0.5"



4 1/2 LED    0.6"



0.8"    3 1/2 LED

### SPECIFICATIONS (Industrial)

(at 25°C & 5VDC)

- Digits: -4 1/2 ea. 0.6" High with 5 D.P. or 3 1/2 ea. 0.8"
  - Power Consumption: 1 Watt
  - Isolated Power Input: 500VDC
  - Baud Rate: 1200 to 19,200 (9600 Default)
  - Characters: ASCII Codes 0-9 & Modified Alpha & DP
  - Hardware Handshake: None Required
  - Operating Temp: 0-60°C, NEMA 4
  - Storage Temp: -20 + 80°C
  - Humidity: 5-95% RH, Non-Condensing
  - Calculated MTBF: >100,000 Hours (12+ Years)
  - Warranty: Lifetime (LTD)
  - Addresses: 255 VIA Serial (000 Default)
- Note 1: Above specifications are for Industrial Grade. Contact OTEK for other grades.

### DESCRIPTION:

With over 30 years in the **Digital Panel Meter** field, we had to bring you the best that technology would allow. The **SRD** is a combination of that expertise and newest technology in an industry standard 1/8 DIN package. The modular construction allows **OTEK** to customize your needs without expensive N.R.E., set-ups or minimum orders.

### Remote Display:

You can use USB, RS232 or 485 to address the **SRD**. It accepts industry standard **ASCII** characters and displays all numerals and standard seven segment alpha characters, you can address up to 225 units (001-255, 000 reserved for default), the setting is "8N1" and accepts baud rates from 1200-19.2KB.

### Remote Controller:

If you want to control your process via the SRD, you can do it with either relays (4) normally open contacts (N.C. on Request) rated at 1 Amp @ 30VDC/120VAC, or 4 open collector transistors (O.C.T) rated at 30mA @ 30VDC (common emitter).

If you want analog output, select this option for standard 4-20mA. Contact OTEK for your custom requirements.

**Displays:** You can order the large 0.8" 3 1/2 LED or the 0.6" 4 1/2 LED or LCD. The LCD is Reflective or Backlit.

### APPLICATIONS:

- D.C.S./SCADA
- Shipboard/Avionics
- Nuclear & Mil-Spec
- Offshore Exploration



**If You Don't See It,  
Ask For It!**

### OTHER RELATED MODELS:

- **TPM:** 1/8 DIN Transmitting Digital Panel Meter
- **Din-Bar:** 1/8 DIN Bargraph Digital Panel Meter
- **ACS:** A.C. Signal Powered
- See [www.otekcorp.com](http://www.otekcorp.com)-selection charts

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CORP.  
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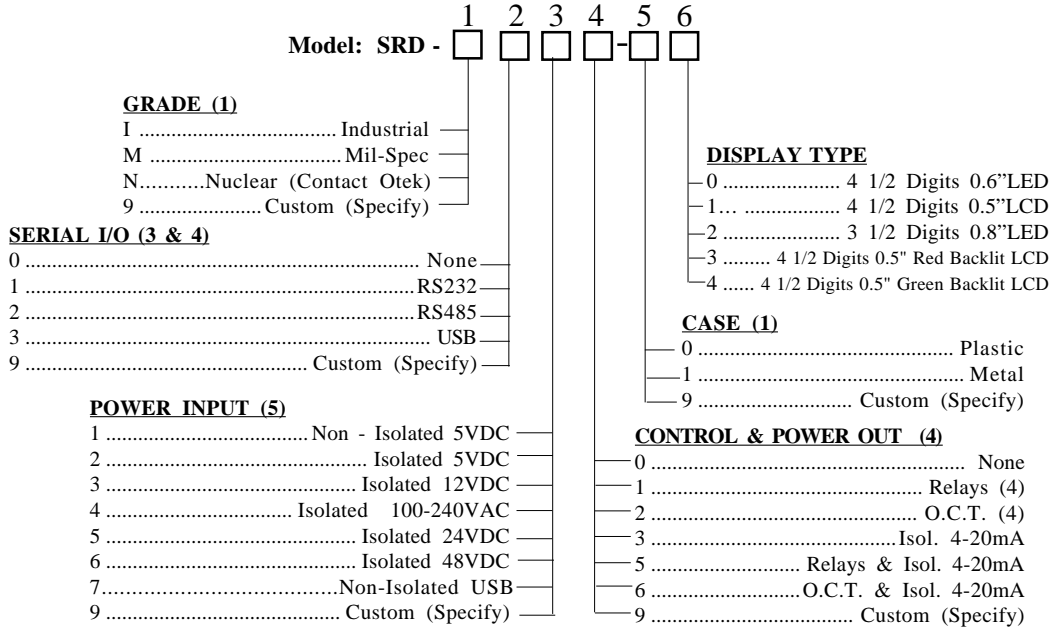
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TUCSON, AZ. 85714 U.S.A.

MADE  
IN  
USA



# SRD SERIES

## ORDERING INFORMATION 7-22-09



**NOTES:**

1. Otek will build to certain MIL-standards but testing and confirmation of compliance, if required, will need to be done by a third party and at customer's expense. "M" & "N" grades must have metal case (Digit 5, Option 1).
2. See "ACS" series for V, A, W, Hz, AC Powerless.
3. Serial I/O is **NOT** isolated from signal. Must have serial I/O to implement processor's functions (if req'd).
4. Control Outputs (Digit 4) must order any serial I/O (Digit 4) and Power Inputs (Digit 5) options 1-6.
5. USB power must have USB serial (Digit 2, Option 3)

**MECHANICAL**

Display varies with model 3 1/2 digit. 8" shown

