

# SERIAL INPUT REMOTE DISPLAY



## MODEL 9100AN

### FEATURES

- Optional 2 Limit set points
- Programmable decimal points
- RS-232 standard or Optional RS-485 interface
- Front panel controls for set up
- All aluminum case size "D"
- 6 digit .56" red alphanumeric LEDs
- I/O Screw Terminal connector

### MODEL 9100AN

The Model 9100AN is a six-digit slave display for use with computers, PLC's panel meters or other instruments producing a serial ASCII output. Interfaces to the 9100AN can be standard RS-232 or optional RS-485. The display has 0.56 inch high 14 segment alphanumeric LED characters separated by decimal points, and can display any combination of alpha or numeric characters. The unit also has addressing capability allowing it to be connected with several other units and be selected individually with RS-232 or RS-485 interface. Six digits can be displayed and can be set to left or right justify the input showing just the first or last six digits of the input string. The end of string can be a single character or a set of two characters which can be a Carriage Return <CR>, line Feed <LF>, ASCII <EST> character, or a combination of a Carriage Return <CR> and a Line Feed <LF> in any order or two of either. The 9100AN uses a data format of 8 data bits, 1 stop bit, and no parity, at the selectable baud rates of 2.4, 4.8, 9.6, 14.4, or 19.2K

### SPECIFICATIONS

#### Environmental:

Operating Temperature Range: -20°C to +60°C

Storage Temperature Range: -25°C to +85°C

Relative Humidity: 0% to 90%, Non-condensing

#### Power Requirements:

AC: 90 VAC to 265VAC @ 50mA (47 to 400 Hz).

DC: 9 -18VDC @ 600mA max (optional).

Also see Options 05 and 24

#### Display:

6 digits, fourteen segment red LED 0.56" (14.3 mm) high.

**Programming:** Four switches behind front panel can be used to set up interface parameters prior to mounting.

#### Dimensions:

Case size "D" 1.97"H, X 3.80"W, X 4.0"L (1.77" X 3.58" Cut Out)

Weight: 2 pounds.

I/O Terminations: J1 screw terminals.

#### INPUTS

RS-232 Serial (Standard)

RS-485 Serial (02 Option)

#### OUTPUTS

**Limit Relays:** 2 Form "C" Relays rated at .25A at 28Volts

**Interface:** RS-232 standard or Optional RS-485, with selectable baud rates of 2.4, 4.8, 9.6, 14.4, or 19.2K

#### OPTIONS

-02 RS-485 serial interface

-05 5Volt DC Input power @ 500mA maximum.

-10 2 set points with form C relay outputs

-12 9-18 Volt DC input power @ 500mA maximum.

-22 230 Volt AC 50-400hz 8watts maximum

-24 18-36 Volt DC input power @ 400mA maximum.

-25 Logo and/or nomenclature change. (Special artwork)

-26 No logo

-28 Blank lens

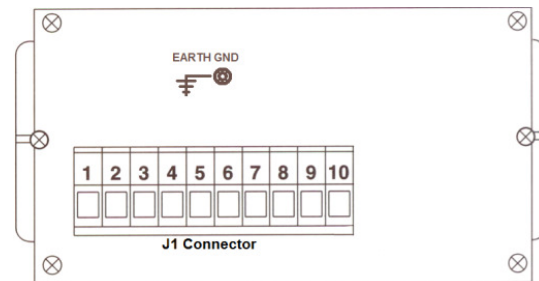
-36 "COUNTER" legend

-37 "RPM" legend

-38 "DEGREES" legend

-XXX = 3 digit # indicates custom software or hardware

Example Part Number: 9100AN-02-10 = (9100AN with RS-485, and 2 Relays)



#### Pin Out

##### J1 Connector

1 Power

2 Power Neutral

3 Serial 485+ / TX 232

4 Serial 485 - / RX232

5 Digital GND

6 Limit 1           Optional

7 Common 1       Optional

8 Limit 2           Optional

9 Common 2       Optional

10 Optional Input

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