

Model 1018N 7" Numeric Display

The model 1018N seven inch LFD is a μ P driven display that is affordable, versatile, and easy to install.

The 1018N is enclosed in a rugged powder coated case made from extruded and cast components designed to withstand harsh industrial environments.

The seven segment dual row LED's provide a high quality, easy to read numeric presentation for viewing distances from 30 to 250 feet.

Depending on user configuration, the Model 1018N can count up, count down, display intervals or scalable rates. There are also configurations for a real time clock, a chronograph, or a slave terminal. All of this is done without personality modules, input cards, or additional hardware.

Programming the display is quick, easy, and intuitive. Software for the display is included in the base price of the unit. For those clients who prefer, the display can be factory programmed prior to shipment for a nominal fee.

The 1018N has three programmable inputs and three programmable outputs to provide unparalleled flexibility.

Built in RS-232 and RS-485 (2 wire) ports allow network connection of the display. This feature makes system annunciation a snap when integration to other controls is required.

There are, or soon will be, option cards to enhance the abilities of the display. These include temperature modules for type J and K thermocouples, plus an RTD converter (2005) for temperature displays.

A current loop serial communication card is compatible with Durant and Red Lion meters. This card makes the display mimic the process output from these meters.

Standard current and voltage loop converters will be available during the first quarter of 2005. These expansion cards will enhance the capabilities of the 1018N and allow it to be directly used as a large format process meter.

Contact your local sales representative for price and availability or give us a call at 502-493-2939 to discuss your needs.



10470 Bluegrass Parkway

Louisville, Kentucky 40299

Phone: 502.493.2939

Fax: 502.493.2940

Master Specification — Model 1018N 7" Numeric Display

Physical Specification:

Viewing Distance — (min recommended)30 feet
Viewing Distance — (max recommended)250 Feet
Top and bottom rails	Extruded Aluminum with black texture powder coat finish
Front Cover	Ruby Acrylic Glare Filter
End Caps	Cast Aluminum
Back Cover12 Gauge Aluminum Sheet
Gasketed for	NEMA 12/3R operation
Display Size7" Tall by 1-1/2 to 255 Characters
Ambient allowable temperature32 to 120°F.



Configuration software is free with display

Electrical Specification:

Operating Voltage120 VAC
Expected Current draw in operation	< 1 Amp (up to 10 Characters)
Power Connection2 Meter Line Cord
Display Characteristics	Seven Segment dual Red LED high brightness, high efficiency 20,000 hours plus bulb life
Program Stores on Power Fail	Stored values include count registers and outputs
Outputs one and two	Source 24 VDC 60 mA maximum load (1.44 Watts)
Output three	Relay programmable NO/NC 5A at 120 Volts 6A at 24 VDC (Make, Break, Steady State)
Inputs one and two	Low speed inputs 0-1000 Hertz (control). Sinking 5 - 24 VDC max draw 10 mA (2K Ohms impedance)
Input three	High speed input 0-12000 Hertz (process)
Input De-bounce	Selectable from None, 5 KHz, 250, 50, and 25 Hz.
Asynchronous RS-232 Port	Programming and terminal communications. Standard nine pin sub D connector
RS-485 Port	Two wire communications and terminal port
Baud Rates (selectable)	RS-232 (300 to 115.2KB in ten steps)
.	RS-485 (300 to 256KB in eleven steps) Address Programmable
Expansion Port	Internal port used for process option cards (see option list)
Burn in (all units)24 Hours run time at full load

