LCD Solution

Nexus DISPLAYS

- Graphical Touch Screen Interface
- Large 320 x 240 Pixel Display
- Extra Bright Cold-Cathode Fluorescent Display
- Easily View All Nexus Parameters
- View Out of Limit Alarms
- NEMA 4 Rated
- Real Time Trending
- Real Time Oscilloscope View
- Harmonic Spectrum Presentation
- EN50160 Flicker Screens
- View Multiple Meters with One Display

Touch Screen HMI Display for the Nexus Series Meters

P60N

Description

The P60N Touch-Screen Display provides real time readings, harmonics, waveforms and phasors from Nexus series power monitors. This technologically leading display offers a user-friendly touch-screen environment perfect for switch-gear panels, generator control panels, motor control centers, utility substations or any other power monitoring applications.

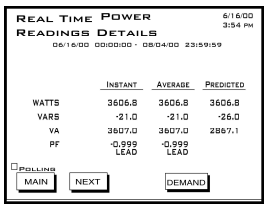
Directly Interfaces with the Nexus Series Monitors

This unit receives power directly from the Nexus monitor internal power supply. A cable harness is included with the P60N that plugs directly into any of the Nexus RS485 port. Moreover, since the communication to the display uses RS485 communication, the display can be mounted up to 5000 feet from the Nexus monitor location. The Nexus power supply will supply power up to 100 feet from the Nexus monitor.

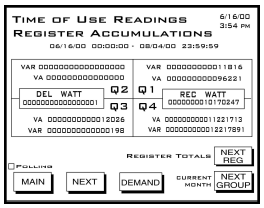
Monitor Multiple Nexus Units

The P60N uses a programmable address that allows customer to switch up to 16 Nexus monitors for one display. This is very useful in cost saving applications where panel space is at a premium.

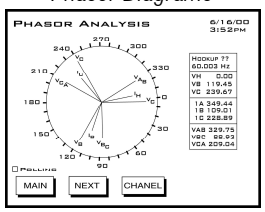
Real Time Readings



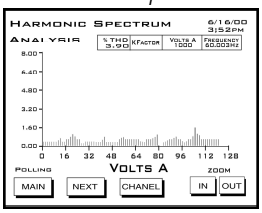
Time of Use Readings



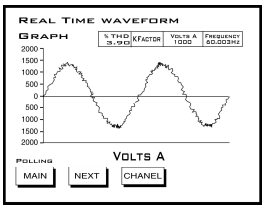
Phasor Diagrams



Harmonic Spectrum

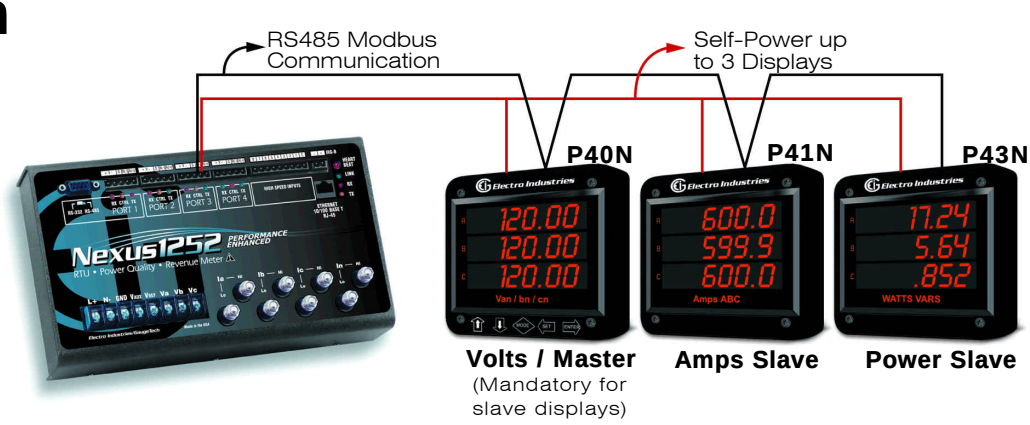


Waveform Screen



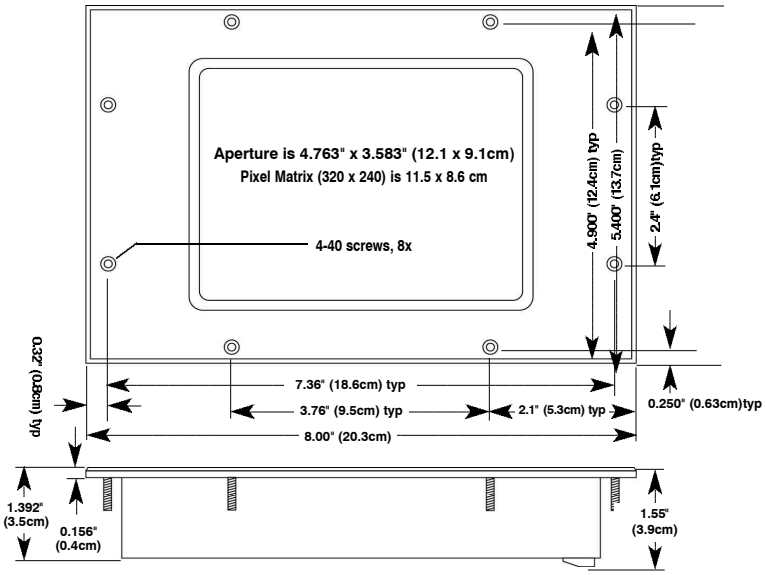
LED Solution

- Multifunction Capabilities
- View Voltage, Current and Power Simultaneously
- Daisy Changing Slaves Using one Serial Port
- Clear, High-End Alpha - Numeric Reading Indicators
- Large, Bright LEDs for Easy Viewing

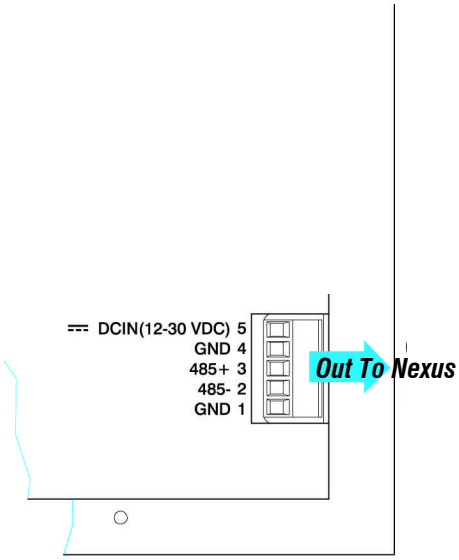


The P40N Series LED displays are compatible with all Nexus Series Power Monitors. With both a master and slave display arrangement, these displays allow you to provide annunciation for Voltage, Current and Power simultaneously. Using this technology, you will be able to replace your substation panel instrumentation using one base transducer and multiple displays. **Note that the Volts/Master (P40N) display must be in the loop to communicate with the slave displays.**

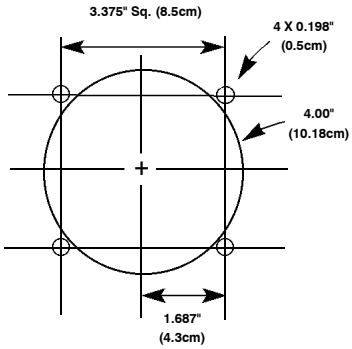
Mounting and Dimensions:



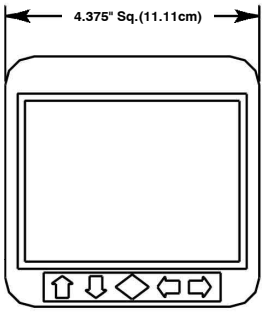
Nexus P60N Touch-Screen Display Front and Side View



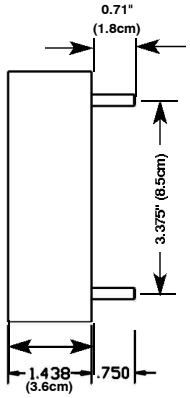
P60N Back Wiring View



Nexus P40N Display Cutout Pattern



Nexus P40N Display Front View



Nexus P40N Display Side View

(Dimensions apply to P40N, P41N, P43N)

Specifications:

Package Size
LCD 8.00" x 5.4" x 1.6"
LED 4.38" x 4.38" x 1.5"

Backlight
LCD – CCFL with software control

Operating Temperature
LCD: 0 to 50 Degrees C
LED: -40 to +80 Degrees C

Power Requirements
LCD 10 – 30VDC, 4.5 Watts
LED 12 to 24 VDC, 3.5 Watts

Ordering Information:

P60N – LCD Display

P40N – LED Master Display (Multifunction Defaults to Volts)

P41N – LED Slave Display Amps (Must have Master P40N in loop)

P43N – LED Slave Display Power (Must have Master P40N in loop)

PB1-12VO – Power Brick External Power Supply 125 Volts AC/DC Inputs, 12 Volts DC Output (necessary when powering multiple displays from a single Nexus or if displays are mounted more than 50 feet away)

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