SuperBriteTM Marquee Display

Real time data means more time at the face.





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Minimum user effort

The newly improved **SuperBrite™ Marquee display** uses state-of-the-art tri-colour LED's (green, yellow, red) arranged in a total of eight fully addressable lines that can be viewed by two alternating pages with four lines on each page. Making the complex-simple, each line can be populated by four different types, such as, Parameter, Static Text, Dynamic Text, Device Name. Supports Modbus TCP/IP registers, EtherNet/IP™ registers, text entry via the built-in webpage or HTTP Request message using JavaScript Object Notation (JSON).

By using digital registers, the SuperBrite[™] Marquee will display the tag parameters. The parameter colour and the state (solid or flashing) are triggered by registers. Through webpage configuration, text can be written and associated to every tag variable. As a use case example, increasing carbon monoxide gas levels will change in colour from green to yellow and then to flashing red by configuring alarm set point values for high and high/high states.

By simple configuration, you can write directly to the Marquee from any Vigilante AQS™ or Zephyr AQS™ air quality station or by a SCADA, DCS, PLC or HMI control system without the requirement of any additional hardware or software.

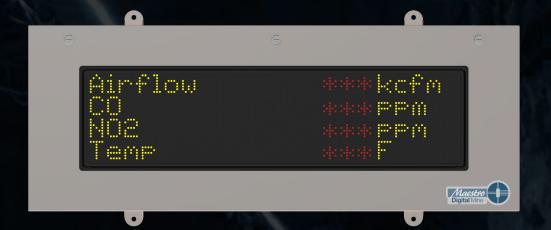


The Only Fail-Safe Sign in Mining

Miner safety is paramount and the SuperBrite[™] Marquee provides full fail-safe benefits so that only current information is displayed, preventing unsafe old data from remaining on the display when the network is offline. The display will change from the last value to flashing red to alert the miners of a network interruption. Once the network is re-established the current values will be automatically updated.

Wireless connection with the EZ Node™ Wireless Adapter

The EZ Node™ Wireless 802.11 adapter allows any Maestro product to connect directly to a wireless network.





EZ Node™ Wireless Adapter

Simple direct connectivity when the network infrastructure has not arrived

In addition to connecting to a network, the SuperBriteTM Marquee can connect directly to either a **Zephyr AQSTM or Vigilante AQSTM** without the requirement of being on a mine-wide communication network. By simply using the built-in web pages, the display can be quickly configured in minutes to display important environmental and worker safety conditions. Excellent for mine development safety.



Zephyr AQS™



Vigilante AQS™

Worker Safety 100% of the Time

Text messages can be written to the display on an ad hoc basis. As an example, a control operator may post an emergency text message on the level display, like "RETURN TO REFUGE STATION". The text can quickly be added to the display from any PC on the network using the webpage or through the mine control system.



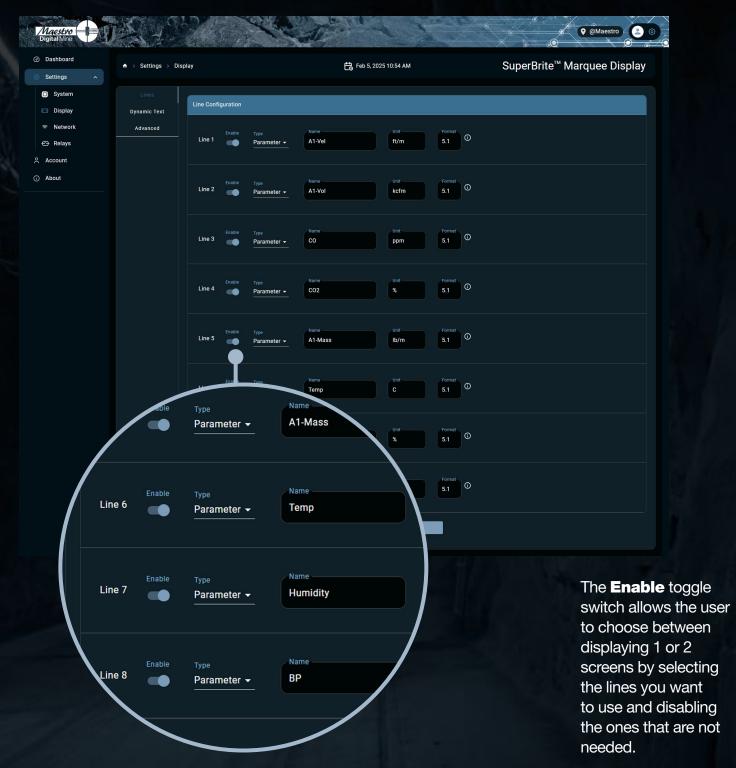
A safe solution for colour blindness

The SuperBrite[™] Marquee provides three output relays that can be utilized for vertical traffic light stack applications for miners that may suffer from colour blindness. The vertical position of the light will signal if the area is safe to enter based upon gas limits.



Simple Display Configuration

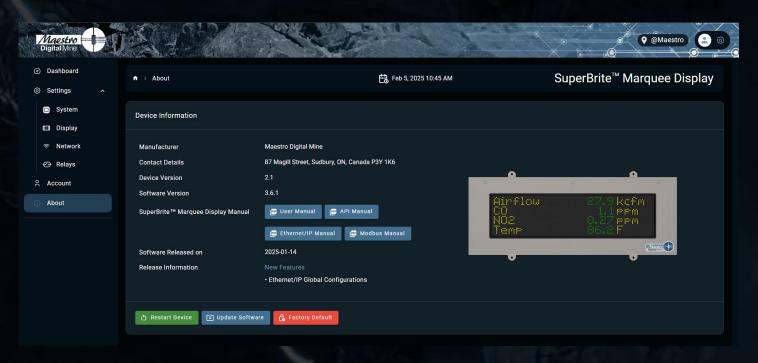
Each display parameter is configured for user defined text, units and colour.

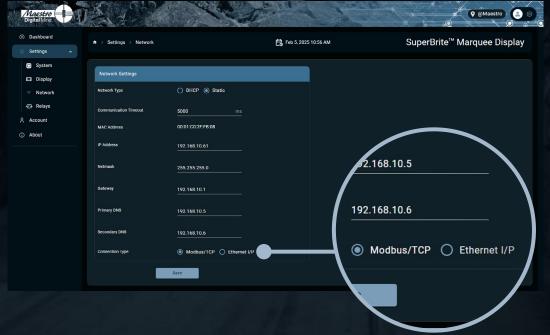


Stay Current with New Software Features

Through the **About** tab, easily update to the latest version of firmware anywhere on the network without having to visit each display in the field.

The **About** web page provides specific device information and also holds the PDF manual available for download.

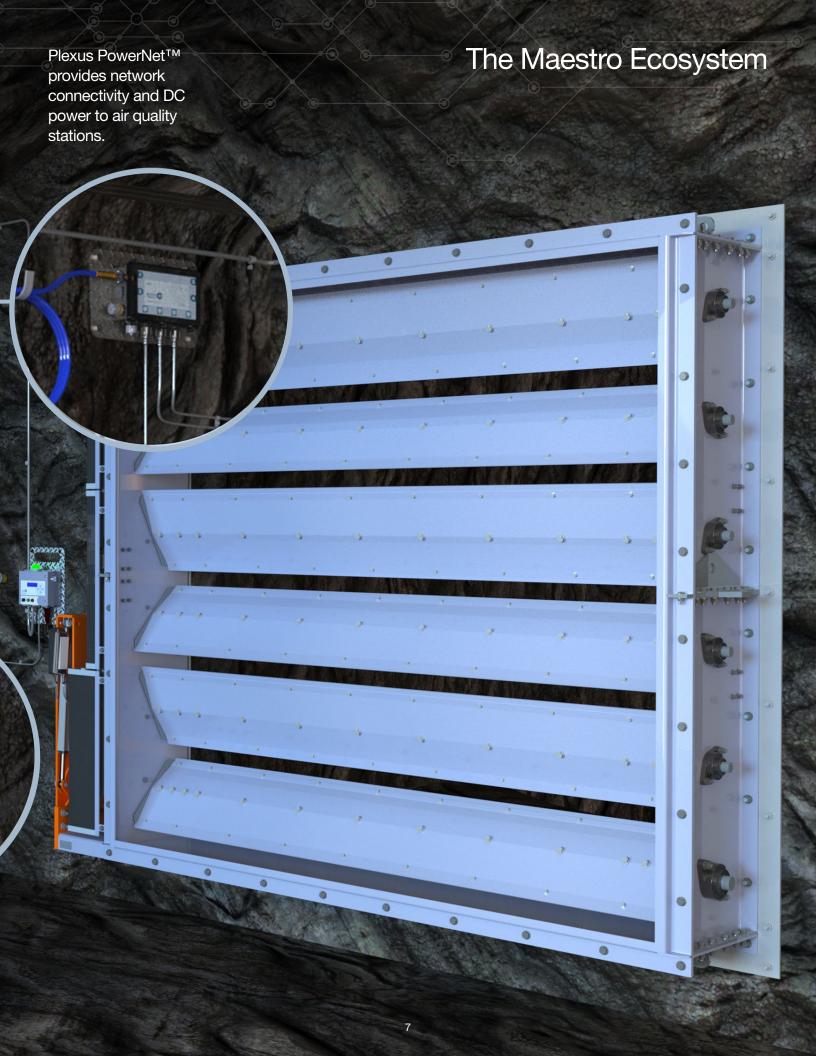




The SuperBrite[™] Marquee Display is fully enabled for **Ethernet** Networking.

All configuration is carried out through a standard web browser, allowing the unit to be configured from anywhere on the network.

Making the Complex Simple Mine hardened Stainless Steel, NEMA 4X enclosure and LEXAN® lens for maximum protection. SuperBrite™ Marquee Display. flow Simple, direct connectivity to any Vigilante AQS™ or Zephyr AQS™ air quality station. The SuperBrite™ Marquee shows realtime data of connected devices like airflow volume or velocity.



Technical Specifications

| General | Tri-colour LED's arranged in addressable lines Total of eight lines (4 lines with two alternating pages) 2" character height. Approximately 20 characters per line CE Compliant |
|---------------------|---|
| Physical Parameters | Outside dimensions 50½" x 18¾" x 3¼" NEMA 4X enclosure Stainless Steel Enclosure Four Stainless Steel reinforced mounting tabs Impact resistant LEXAN® lens -20 to +40°C operating temperature range Shipment weight and dimensions 65 LBS - 56" x 28" x 14" (29.5 KG - 1422.4 mm x 711.2 mm x 355.6 mm) |
| Power Requirements | Universal power supply (100-240 VAC, 50/60 Hz, 1 amp maximum peak draw, 50W) |
| Communications | Native on-board Modbus Ethernet TCP/IP and Ethernet/IP™ digital communications RJ45 connection Registers provided for tag name, tag value and tag units, LED colour and solid/ flashing LED state Three output SPDT (Form C) relays, 8 amp rated @ 250 VAC Web page access from anywhere on the network Data can be sent from any third party software platform via HTTP Request using JavaScript Object Notation (JSON). |





The Maestro Ecosystem



Vigilante AQS™ Air Quality Stations



DustMon **PM**™



Plexus PowerNet™



ModuDrive[™] **IIoT Ethernet Actuators**

For more information on the Maestro ecosystem visit maestrodigitalmine.com



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