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INFORMATION AT A TOUCH

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Delta Systems Inc., the Streetsboro, Ohio-headquartered supplier of switches and controls for a range of mobile, marine and stationary engine applications, has developed a new display that the company said is designed to provide operators with a full view of machine functionality through a seamless and intuitive human machine interface (HMI). The Delta Systems touch screen display delivers at-a-glance notifications and simple operator interactivity, while simplifying troubleshooting, the company said.

The touch screen incorporates a 4.3 in. thin film transistor (TFT) display with 480 x 272 resolution and a 24-bit RGB color interface. It is engineered to be readable in all conditions at 1000 nits brightness with an anti-glare screen coating and is designed to be fully operable while wearing gloves, said the company.

With fully customizable software and SAE J1939 CANbus compatibility, the system will gather data from multiple sensors to provide quick notifications of malfunctions, errors, safety interlock status and maintenance reminders. Screen graphics can also be customized, allowing the unit to replace gauges and indicators, the company said.

Customizable outputs for the display include safety interlocks, position sensing, engine monitoring, diagnostics and engine starting systems.

The unit can operate in 9 to 16 V systems and has an operating temperature range of -4° to 158° F (-20 to 70°C). It is packaged within a sealed, IP67-rated snap-in panel-mount housing that Delta said was engineered to protect against ingress of water, dirt, oils and other contaminants.

Delta Systems said the touch screen display can also serve as the user interface platform for additional control functionality, including Bluetooth-enabled connectivity, backup cameras, object detection systems, power inverter integration, tire pressure monitoring systems and mower deck sensing in turf equipment applications.

The system can be used on a range of applications, such as ag machinery, light industrial equipment, material handling machinery, mining equipment, crane trucks, asphalt pavers, concrete mixers, outdoor power equipment and powersports equipment.

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