

## **New 17.5" and 14.1" Color TFT-LCD Modules with LED Backlight by Mitsubishi Electric**

Extended lifetime of 80,000hrs

Mitsubishi Electric is introducing its new 17.5" and 14.1" wide-XGA color TFT-LCD modules for industrial use. The products AA175TD01 and AA141TC01 will be equipped with white Light Emitting Diode (LED) backlights, providing a longer lifetime and enhanced efficiency, and will be available through Mitsubishi Electric sales sites.

In addition to providing a longer lifetime, TFT-LCD modules using LED backlights can be operated without an inverter, unlike previous models which used Cold Cathode Fluorescent Lamp (CCFL) backlights. At 25 degrees Celsius, LED backlights have an operating life time of at least 80,000 hours. The TFT-LCD modules offer a brightness of 800cd/m<sup>2</sup>, making them suitable for outdoor use and in very bright illuminated environments.

The AA175TD01 and the AA141TC01 both achieve a top level wide operating temperature range from -20 degrees to 70 degrees Celsius, making them useful in severe climatic environments. In addition, the package size, mounting position, signal interface connectors and pin alignments are compatible with Mitsubishi Electric's previous models for an easier replacement.

Mitsubishi Electric was one of the first companies to incorporate LED backlights in its TFT-LCD modules. With the addition of the two new LED backlight models, Mitsubishi Electric's TFT-LCD module lineup now includes more than 80 different modules covering 18 combinations of screen size and resolution types. Out of these 16 combinations are available with LED backlights. Mitsubishi Electric aims to further expand its lineup of industrial-use TFT-LCD modules in future.

The LED TFT-LCD modules are mercury-free.

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