

# IMPORTANT PRODUCT INFORMATION

## READ THIS INFORMATION FIRST

**Product:** 10.4" TFT Color, 24VDC QuickPanel Products

### Catalog Numbers:

| Catalog Number  | Replaces (Old Catalog Number) | Description                          |
|-----------------|-------------------------------|--------------------------------------|
| QPICTDE0000     | QPI3D200C2P                   | 10" TFT QuickPanel                   |
| ABICTDE0000/ABD | ABI3D200C2P/ABD               | 10" QuickPanel, w/ A/B DataHighway + |
| ABICTDE0000/ABR | ABI3D200C2P/ABR               | 10" QuickPanel, w/ A/B Remote I/O    |
| ABICTDE0000/DVN | ABI3D200C2P/DVN               | 10" QuickPanel, w/ DeviceNet         |
| ABICTDE0000/SER | ABI3D200C2P/SER               | 10" QuickPanel, w/ a serial cable    |
| ABICTDE0000/ABD | GABI3D200C2P/AD <sup>1</sup>  | 10" QuickPanel, w/ A/B DataHighway + |
| ABICTDE0000/ABR | GABI3D200C2P/AR <sup>1</sup>  | 10" QuickPanel, w/ A/B Remote I/O    |
| ABICTDE0000/DVN | GABI3D200C2P/DN <sup>1</sup>  | 10" QuickPanel, w/ DeviceNet         |
| ABICTDE0000/SER | GABI3D200C2P/SE <sup>1</sup>  | 10" QuickPanel, w/ a serial cable    |
| QPICBDE0000     | QPI3D200C2P/B                 | 10" QuickPanel, blank overlay        |
| CQPICTDE0000    | CQPI3D200C2P                  | 10" TFT QuickPanel                   |
| QPICGDE0000     | GQPI3D200C2P                  | 10" TFT QuickPanel                   |

**Note 1:** The 10" TFT QuickPanel with A/B communications modules is not longer available with GE Fanuc company branding and is only available with TCP branding. Please order replacements using the appropriate TCP product from the table shown above.

*Please retain this document. It contains important information for operating the QuickPanel products listed above.*

## General Description

The new 10" model has twice the memory (4 Mbytes) as previous generation 10" models allowing larger applications. The new model also includes a 10Base-T Ethernet port for networked communications.

This model comes with UL 508 Ordinary Locations, UL 1604 Hazardous Locations (Class 1, Div 2, Groups ABCD) and CAN/CSA-C22.2 agency approvals.

## Compatibility

The new hardware platform requires QuickDesigner 3.6. QuickDesigner projects for the older 10" models, v2.4 and later, are compatible with QuickDesigner 3.6.

## New Features and Enhancements

**Ethernet Connectivity:** A 10Base-T Ethernet port allows for improved connectivity between QuickPanels (QPICxDE0000), networks and PLCs. Applications can now be uploaded and downloaded faster using 10Base-T Ethernet connectivity. The following Ethernet drivers are supported under QuickDesigner 3.6: GE Fanuc's SRTP, and Allen Bradley's Ethernet IP (supporting communications to PLC5, SLC500, and ControlLogix PLCs)

**Increased Serial Baud Rates:** For communications between PLCs and QuickPanels, baud rates of up to 115.2k are now supported for faster and more accurate response times. Additionally, applications can now be downloaded to a QuickPanel at 38.4K

**Transfer Application to/from Compact Flash:** The compact flash card allows for fast and easy offline upload and download of applications. Convenient for small application modifications or for sharing applications with other users.

**Backlight Burnout Detection and Notification:** User-defined tags allow for the detection of backlight burnouts by registering a bit change status and communicating the status change to the PLC.

**I/O Connectivity:** The base 10" TFT QuickPanel may be ordered with a variety of communications modules enabling quick and easy connection to Allen Bradley networks.

## Functional Specifications

|                           |                            |  |
|---------------------------|----------------------------|--|
| <b>Display</b>            | Type                       | Active Matrix, TFT Color, LCD  |
|                           | Colors                     | 256  |
|                           | Backlight                  | User replaceable CCFL<br>Service Life: 50,000 hrs. at 25° C and 24 hr. operation             |
|                           | Resolution                 | 640 x 480 pixels   |
|                           | Nominal Display Area       | 8.32" (W) x 6.24" (H)  |
|                           | Brightness Control         | Four levels via touch panel  |
|                           | Attributes                 | Blinking/Reverse Video   |
|                           | Touch Panel                | Resistive Film   |
| <b>Memory</b>             | Application                | 4 MB flash EPROM   |
|                           | Data Backup                | 256 KB – uses lithium battery  |
| <b>External Interface</b> | Serial Interface           | Asynchronous Transmission Method: RS-232C/RS-422, up to 115.2 Kbps                           |
|                           | Expansion Serial Interface | RS-232C ( <i>to be supported in 2002</i> )   |
|                           | Network Interface          | Ethernet (IEEE802.3, 10Base-T)   |
|                           | Tool Port                  | Yes  |
|                           | CF Card Interface          | 1-Slot (Compact FLASH)   |
|                           | Printer Interface          | Compatible with NECPC-PR201/PL, EPSON ESC/P24-K84©, and HP Laser Jet PCL 4 Command printers* |

\* Printers that only have Windows® drivers cannot be used. However, certain types of printers with both Windows and MS-DOS drivers can be used.

GFK-2229

## General Specifications

|                      |                               |  |
|----------------------|-------------------------------|--|
| <b>Electrical</b>    | Input Voltage                 | AC 85V to 132V / DC 24V  |
|                      | Power Consumption             | 50VA or less / 28VA or less  |
| <b>Environmental</b> | Ambient Operating Temperature | 0° C to 50° C  |
|                      | Storage Temperature           | -20° C to 60° C  |
|                      | Ambient Humidity              | 10% RH to 90% RH (non-condensing)  |
|                      | Vibration Resistance          | Compatible with IEC1131-2<br><b>When vibration is not Continuous:</b><br>10 to 57 Hz 0.075mm, 57 to 150 Hz 9.8m/s <sup>2</sup><br><b>When Vibration is Continuous:</b><br>10 to 57 Hz 0.035mm, 57 to 150 Hz 4.9m/s <sup>2</sup> X,Y,Z direction for 10 times (80 min.) |
| <b>Structural</b>    | Rating                        | NEMA 4x/12 or Equivalent to IP65f  |
|                      | Weight                        | 7.7 lb. or less  |
|                      | Cooling Method                | Natural air circulation  |
|                      | External Dimensions           | 12.48" W x 9.57" H x 2.28" D   |
|                      | Panel Cut-Out                 | 11.85" x 8.96" (+/- 0.04")   |
|                      | Panel Thickness               | 0.06" to 0.40"   |

## Agency Approvals

- UL 508 Ordinary Locations, UL 1604 Hazardous Locations (Class 1, Div 2, Groups ABCD)
- CAN/CSA-C22.2
- CE Marked. Conforms to EMC directives EN55011 Class A and EN61000-6-2.

## Documentation

For detailed operation information, please refer to the *QuickDesigner V3.6 Hardware Reference Guide*, GFK-2075.

For information on installation, please refer to the *10.5"/12.1" 24VDC QuickPanel Installation Guide*, GFK-2071.