

# *bds* Brentwood Display Services Inc.

## **3800 Keypad Assembly**

**Part Number 612007-501**

The 3800 Keypad assembly is an integral part of the 3800 series controller. This assembly accomplishes many functions including providing an interface between the user/control system and the 3800 controller. The Keypad is powered by the Model 1 Power Supply via the STD Bus Card Cage and controlled by the parallel output port of the WinSystems CPU. It accepts manual input from a membrane keypad on the front panel of the 3800 chassis assembly, provides audio and visual feedback to the user, performs RS232 to TTL conversion for the WinSystems serial ports, and provides multiple status indicator LED's for power supply and communications interfaces.

### **SPECIFICATIONS**

<b>Operating Temperature Range</b>	-40 °C to +75 °C,
<b>Operating Humidity range</b>	5 to 95% non-Condensing.
<b>Input Voltage (Model 1 Power Supply)</b>	+5.0 volts D.C. $\pm 0.2$ V +13.8 volts D.C. +0.1/-3 V -12.5 volts D.C. $\pm 0.5$ V Calibration of these voltages must be done on the Model 1 Power Supply.
<b>Board Size:</b>	8.5" Wide by 6.5" High
<b>Indicators:</b>	LCD Display – 40 Character by 4 Lines LED's – Controller Status (5 LED's), Serial Communication Signals, Communication Port Assignment and Power Supply Indicator LED's.
<b>NEMA Tested for Surge &amp; Power Interruption</b>	Yes - Passed
<b>NEMA Tested for Mechanical Shock &amp; Vibration</b>	Yes - Passed
<b>Keypad</b>	4 by 4 Membrane with tactile feedback
<b>Conformal Coating</b>	Complies with MIL-1-46058C Type SR
<b>Board Material</b>	.062 Epoxy Glass
<b>PWB Material Rating</b>	G3 CSA/UL Approved
<b>Copper</b>	1 Oz. Plated to 2 Oz.
<b>Re-Calibration Period</b>	None required

Specifications subject to change without notice.