

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

Operating Temperature Range	-40 °C to +75 °C,
Operating Humidity range	5 to 95% non-Condensing.
Input Voltage (Model 1 Power Supply)	+5.0 volts D.C. ± 0.2 V +13.8 volts D.C. +0.1/-3 V -12.5 volts D.C. ± 0.5 V Calibration of these voltages must be done on the Model 1 Power Supply.
Board Size:	8.5" Wide by 6.5" High
Indicators:	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.
NEMA Tested for Surge & Power Interruption	Yes - Passed
NEMA Tested for Mechanical Shock & Vibration	Yes - Passed
Keypad	4 by 4 Membrane with tactile feedback
Conformal Coating	Complies with MIL-1-46058C Type SR
Board Material	.062 Epoxy Glass
PWB Material Rating	G3 CSA/UL Approved
Copper	1 Oz. Plated to 2 Oz.
Re-Calibration Period	None required

Specifications subject to change without notice.