

# *bds* Brentwood Display Services Inc.

## **Lighting Control Master Module(LCMM)**

**Part Number 632302-501**

The Lighting Control Master Module (LCMM) is a microprocessor-based module designed to control up to 63 Light Control Slave Modules (LCSM). The LCMM can precisely control the brightness of 2 or 4 lamps connected to each LCSM as well as determine the status of the lamps connected to the LCSM's. The LCMM has 2 temperature inputs and contains output control for fans, heaters, abort relays and general-purpose outputs. The LCMM is designed to communicate with an NTCIP Sign Controller or a 3801 Sign Controller and a 3202 disk driver using a standard RS232 interface. Full stand-alone operation is also supported.

### **SPECIFICATIONS**

<b>Operating Temperature Range</b>	-40 to +74 C
<b>Operating Humidity range</b>	5 to 95% non-condensing.
<b>Number of Discreet Lamp Levels, Control Method:</b>	32 Levels, Phase Switch Controlled
<b>NEMA Tested for Surge &amp; Power Interruption (with Model 1 power supply)</b>	Yes - Passed
<b>NEMA Tested for Mechanical Shock &amp; Vibration</b>	Yes - Passed
<b>Processor</b>	MC68HC11F1 @ 8Mhz.
<b>Memory</b>	32K RAM + 32K EPROM / EEPROM.
<b>LED indicators:</b>	"Watchdog" and "Power" LED .
<b>Voltage Requirement</b>	14VAC Typical, 17 VAC Max. Battery Backup, 12 VDC Typical, 20 VDC Max.
<b>Re-Calibration Period</b>	10 years.
<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>Board Size:</b>	Approximately 12" W by 7" H
<b>Logic level Inter Board connector type:</b>	Gold Plated Ribbon Cable types, with ejectors.

*Specifications subject to change without notice.*