

# *bds* Brentwood Display Services Inc.

## ***Lighting Control Master Module/Photocell Module (LCMM/PM)***

The Lighting Control Master Module/Photocell Module (LCMM/PM) is a microprocessor-based module designed to control up to 63 Light Control Slave Modules (LCSM). The LCMM/PM 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/PM reads the brightness levels of up to three photocells, has 2 temperature inputs and contains output control for fans, heaters, abort relays and general-purpose outputs. The LCMM/PM 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><i>Operating Temperature Range</i></b>	-40 to +74 C
<b><i>Operating Humidity range</i></b>	5 to 95% non-condensing.
<b><i>Number of Discreet Lamp Levels, Control Method:</i></b>	32 Levels, Phase Switch Controlled
<b><i>NEMA Tested for Surge &amp; Power Interruption (with Model 1 power supply)</i></b>	Yes - Passed
<b><i>NEMA Tested for Mechanical Shock &amp; Vibration</i></b>	Yes - Passed
<b><i>Processor</i></b>	MC68HC11F1 @ 8Mhz.
<b><i>Memory</i></b>	32K RAM + 32K EPROM / EEPROM.
<b><i>LED indicators:</i></b>	"Watchdog" and "Power" LED .
<b><i>Voltage Requirement</i></b>	14VAC Typical, 17 VAC Max. Battery Backup, 12 VDC Typical, 20 VDC Max.
<b><i>Re-Calibration Period</i></b>	10 years.
<b><i>Conformal Coating</i></b>	Complies with MIL-1-46058C Type SR
<b><i>Board Material</i></b>	.062 Epoxy Glass.
<b><i>PWB Material Rating</i></b>	G3 CSA / UL approved.
<b><i>Copper</i></b>	1 Oz Plated to 2 Oz
<b><i>Board Size:</i></b>	Approximately 12" W by 7" H
<b><i>Logic level Inter Board connector type:</i></b>	Gold Plated Ribbon Cable types, with ejectors.

*Specifications subject to change without notice.*