

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

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

Specifications subject to change without notice.