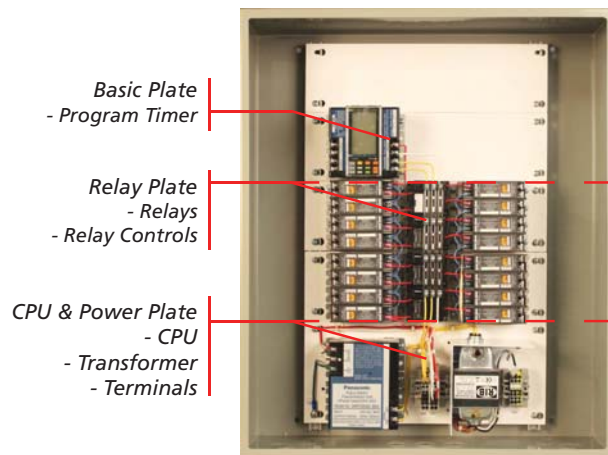


LPB

BASIC MULTIPLEX TRANSMISSION Full 2-WAY Remote Lighting Control System

APPLICATIONS

- Hospitality Facilities
- Office Buildings
- Schools
- Warehouses



PROJECT	
LOCATION	

FEATURES

- On / Off control of lighting and other electrical loads using mechanically latching relays
- Controls Individual, Dimmer, Group, and Pattern functions
- EEPROM memory storage of Groups and Patterns eliminates need for battery backup
- Automatic Daylight Savings Time function
- Astronomical Clock programs
- Provides Off delay and On Timer options for Individual and Group functions
- LCD display Timer Unit system level device for scheduling loads on daily, weekly, monthly or yearly basis up to 30 separate channels
- IR Address setting unit for switch and relay
- IR Programming unit sets patterns and groups
- Compliant to Title 24
- 2-year warranty

DESCRIPTION

The LPB Series is the "basic" version of PLC-Multipoint's multiplex transmission Full-2Way remote lighting control system. It uses just two 24 V signal wires for all the switches on a network, and controls lighting using latching relays. This reduces the number of wires needed compared to conventional remote control wiring.

The system is cost-effective and easily-configurable with programming and accessories. The CPU can control up to 256 circuits per system, and it is logically capable of turning up to 127 groups of lights on and off in an entire section of any application area. Up to 72 control patterns can be programmed to match work schedules or habits, allowing for maximum occupant satisfaction

while achieving energy and operating cost savings. The programmable timer is easily configurable to match either a daily and or astronomical schedule for lights to be automatically turned on and off. Passive infrared motion sensor control is also offered to turn on and off depending on occupancy of a monitored building space. For additional energy savings, indoor daylight sensors are available which respond to the brightness of the environment.

In addition to the capabilities above, this system offers added energy saving possibilities, multiple operation options of dimmer controls; A touchscreen display is offered to consolidate up to 24 individual switches.

Distributed by:

Eco-Smart, Inc.

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TECHNICAL DATA - LPB SERIES

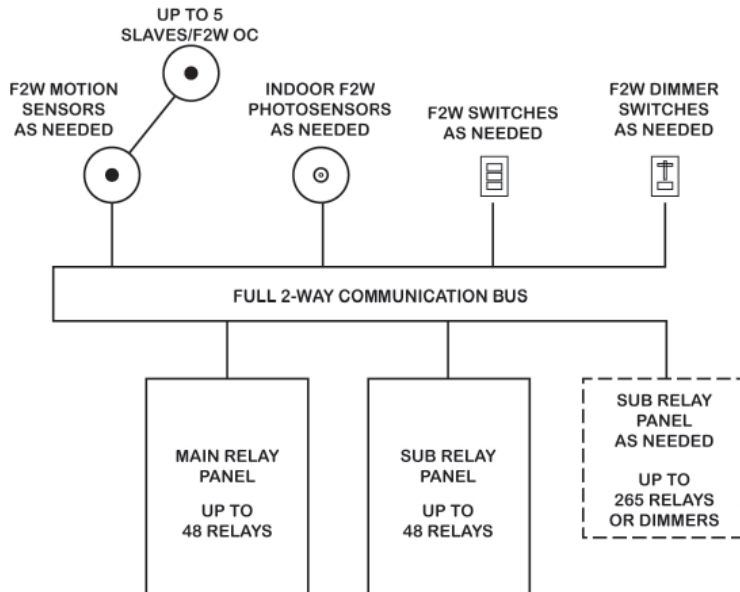
Input Voltage: 120 VAC, 277 VAC or 480 VAC
Output Zones: 20 Amp Relay is mechanically latching; Rated up to 277 VAC at 20 A. (8 - 256 points)
Relays Electrical Inputs: Low Voltage: ± 24 VDC reversible polarity (± 24 VAC half-wave), Class II Current: 350 mA
Relay Electrical Outputs: Line Voltage: 20 A 300 VAC (General Use) 2400 W 120 VAC (Tungsten) 20 A 300 VAC (Ballast) 14,000 amps short circuit interrupting current
CPU Signal Voltage: ± 24 V
Signal Methods: Cyclic time sharing multiplex transmission with cut-in signal method
Signal Wires: Two wires with no polarity
Signal Transmission Distance: 500 m max. with 1.2 mm dia. wire
Extension of Transmission Distance: Max. 3,000 m, Total of 9,000 m (with use of 5 amplifiers)
Power Failure Backup: Flash Memory for Groups/Patterns
Program Timer Unit: Astronomical Clock and Automatic Daylight Savings Time Function
Approvals: Compliant to Title 24

Enclosure Dimensions: NEMA-1 Surface Mount Enclosure
 24"H x 20"W x 6"D
 36"H x 20"W x 6"D
 48"H x 20"W x 6"D

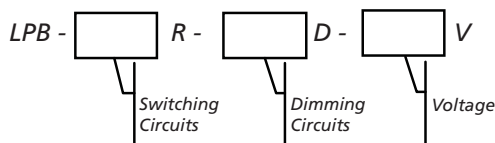
Temperature Range: 32° to 140°F (0° to 40°C)

Input Option Devices: Panasonic Daylight Sensors, Motion Detectors and Switches, Touchscreen display

HOOK-UP DRAWING / ASSEMBLY DRAWING



ORDERING INFORMATION



ACCESSORIES  See LP-Series Accessories Selection Matrix (Listed Separately)

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