



LPB SERIES

Basic Multiplex Transmission FULL-2WAY
Remote Lighting Control System

PROJECT	
LOCATION	

APPLICATIONS

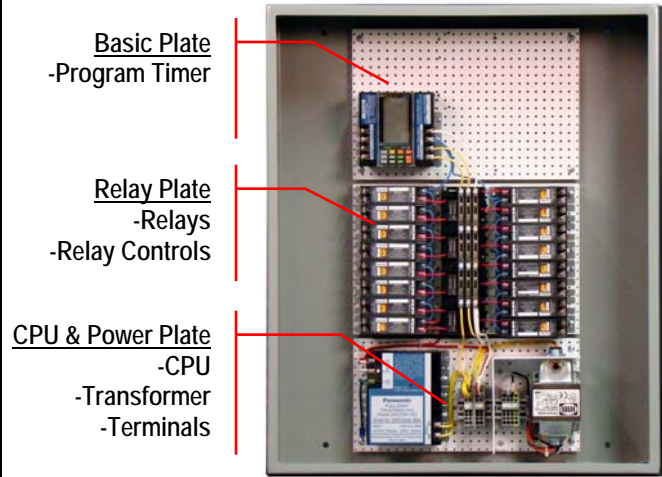
- Office Building
- Warehouses
- Schools
- Restaurants

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. Centralized monitoring and control of lighting can handle 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 Program 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.



DATA SHEET

FEATURES

- On/Off control of lighting and other electrical loads using mechanically latching relays
- Controls Individual, Group, and Pattern functions
- EEPROM memory storage of Groups and Patterns eliminates need for battery backup
- 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
- Automatic Daylight Savings Time function
- Astronomical Clock programs FULL-2WAY wall switch



DATA SHEET

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. (4 - 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)
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

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

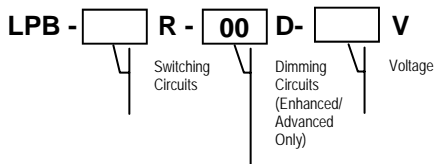
LPB Maximum Circuits					
24" H		36" H		48" H	
R	D	R	D	R	D
16	00	16	00	16	00
32	00	32	00	32	00
		48	00	48	00
				64	00

KEY:
R = # of Relays; D = # of Dimming

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

Input Option Devices: Panasonics Daylight Sensors, Motion Detectors and Switches

ORDERING INFORMATION



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