# Prewired Central and Remote Relay Panels (WLCP Panels)

**DOUGLAS®**
LIGHTING CONTROLS



Project Name: _____

Part Number: _____ Date:_____

## Features
• All components factory installed programmed and tested before shipment
• Lighting control panels are pre-terminated with all relays wired to relay driver outputs
• NEMA 1 rated cabinets include "tub", interior and cover
• Modular and easy to understand internal layout of components.

Prewired relay panels (WLCP panels) for Dialog centralized lighting control systems consist of enclosures, relays and control electronics to provide a complete panelized solution. WLCP panels communicate digitally using the Dialog 2-wire network.

Central panels include a Lighting Control Unit (WLC-4150) which manages all devices in a system of up to 252 relays and 252 dimming channels. Programming and scheduling changes may be done from a touch screen interface which is included in all central relay panels. Central panels come equipped with a handheld IR sensor and switch setting tool. (not included with remote relay panels)

Each system requires a WLCP-CPxx panel that contains the WLC-4150. The additional WLCP-RPxx panel contain controls cards but no WLC-4150. These panels are interconnected with the Dialog 2-wire network. All Dialog devices are able to be connected back to their designated lighting control panel through the Dialog 2-wire network. 4-Channel and 2-Channel room controllers can also be connected back to the central relay panel with no additional components required.

Standard components include:
• PWEx Enclosure
• WR-4075 Transformer
• WLC-4150 Lighting Control Unit* (WLCP-CPxx Only)
• WR-6161 Relay
• WRD-3408z Relay Driver

Optional components:
• WDB-3314 0-10v Dimming Driver
• WCI-3928 Contact Input Unit
• UL924 Emergency Bypass Unit

## Central Panels

| PART NUMBER | DESCRIPTION |
|---|---|
| WLCP-CP00 | Central Dialog Central Panel – No Relays |
| WLCP-CP24/24 | 24 Capacity Dialog Central Panel (w/24 Relays) |
| WLCP-CP24/16 | 24 Capacity Dialog Central Panel (w/16 Relays) |
| WLCP-CP24/8 | 24 Capacity Dialog Central Panel (w/8 Relays) |
| WLCP-CP32/32 | 32 Capacity Dialog Central Panel (w/32 Relays) |
| WLCP-CP32/24 | 32 Capacity Dialog Central Panel (w/24 Relays) |
| WLCP-CP32/16 | 32 Capacity Dialog Central Panel (w/16 Relays) |
| WLCP-CP48/48 | 48 Capacity Dialog Central Panel (w/48 Relays) |
| WLCP-CP48/40 | 48 Capacity Dialog Central Panel (w/40 Relays) |
| WLCP-CP48/32 | 48 Capacity Dialog Central Panel (w/32 Relays) |
| WLCP-CP48/24 | 48 Capacity Dialog Central Panel (w/24 Relays) |
| WLCP-CP72/72 | 72 Capacity Dialog Central Panel (w/72 Relays) |
| WLCP-CP72/48 | 72 Capacity Dialog Central Panel (w/48 Relays) |
| WLCP-CP72/40 | 72 Capacity Dialog Central Panel (w/40 Relays) |
| WLCP-CP72/32 | 72 Capacity Dialog Central Panel (w/32 Relays) |

## Remote Panels

| PART NUMBER | DESCRIPTION |
|---|---|
| WLCP-RP08/08 | 8 Capacity Dialog Remote Panel (w/8 Relays) |
| WLCP-RP24/24 | 24 Capacity Dialog Remote Panel (w/24 Relays) |
| WLCP-RP24/16 | 24 Capacity Dialog Remote Panel (w/16 Relays) |
| WLCP-RP24/8 | 24 Capacity Dialog Remote Panel (w/8 Relays) |
| WLCP-RP32/32 | 32 Capacity Dialog Remote Panel (w/32 Relays) |
| WLCP-RP32/24 | 32 Capacity Dialog Remote Panel (w/24 Relays) |
| WLCP-RP32/16 | 32 Capacity Dialog Remote Panel (w/16 Relays) |
| WLCP-RP48/48 | 48 Capacity Dialog Remote Panel (w/48 Relays) |
| WLCP-RP48/40 | 48 Capacity Dialog Remote Panel (w/40 Relays) |
| WLCP-RP48/32 | 48 Capacity Dialog Remote Panel (w/32 Relays) |
| WLCP-RP48/24 | 48 Capacity Dialog Remote Panel (w/24 Relays) |
| WLCP-RP72/72 | 72 Capacity Dialog Remote Panel (w/72 Relays) |
| WLCP-RP72/48 | 72 Capacity Dialog Remote Panel (w/48 Relays) |
| WLCP-RP72/40 | 72 Capacity Dialog Remote Panel (w/40 Relays) |
| WLCP-RP72/32 | 72 Capacity Dialog Remote Panel (w/32 Relays) |