



S2BACLIGHTDP

Aromat /Panasonic/Douglas Lighting Relay Controller

Comparison to Douglas Lighting WRS-2224 Relay Scanner

Introduction

The S2BACLIGHTDP is an intelligent lighting relay controller designed to control twenty-four (24) Aromat/Panasonic/Douglas Lighting Relays (WR-6221, WR-6161, etc) used primarily in commercial lighting control applications. The S2BACLIGHTDP also provides support for eight (8) configurable Group Inputs, two (2) HVAC and DC Compatible Binary Inputs, along with multiple communication interfaces for standalone and/or integration in the site's Bus Building Management System (BMS).

This document provides a detailed comparison between the S2BACLIGHTDP and the Douglas Lighting WRS-2224 Lighting Scanner.

1. The S2BACLIGHTDP has more hardware groups

- S2BACLIGHTDP has eight hardware group inputs compared to WRS-2224's five
- S2BACLIGHTDP can implement soft/or internal groups, whereas Douglas does not have this capability

2. The S2BACLIGHTDP has local Binary Inputs with local power for sensors

- The S2BACLIGHTDP has two "Binary Inputs" (BIs) with on-board power (+12VDC) for externally connected sensors (PIR Motion, Ambient light, etc), whereas Douglas does not have this capability

3. On-board Real Time clock for scheduling

- Douglas uses an external module for clock scheduling functionality
- S2BACLIGHTDP includes an astrological clock for automatic calculation of daily sunrise and sunset times
 - based upon your geographical location (you enter your latitude and longitude)
 - you can enter an offset to the daily sunrise/sunset times for control of the lights
 - Douglas does not have this capability

4. S2BACLIGHTDP was designed to include BMS integration

- S2BACLIGHTDP directly supports BACNet MS/TP, however, BACNet IP, JCI N2 bus, and Modbus are options
- Douglas relied upon external modules for Bacnet, etc

5. Built-in web interface for control

- S2BACLightDP includes a sophisticated web server with CSS capability.
- Douglas does not offer this capability

6. Dali Hardware support

- S2BACLightDP includes on-board DALI Hardware.
- Douglas does not offer this capability

7. Wifi and Bluetooth Support

- S2BACLightDP includes support for these connectivity options, however, currently these interfaces are used for testing and commissioning.
- Douglas does not directly support either wireless technology

8. Device functionality can be modified/customized for specialty projects

- S2BACLightDP is locally designed and manufactured and device functionality can be modified for specialty projects (e.g. DMX512 support can be added, etc)
- Douglas does not offer this as an option for their controllers

The S2BACLightDP provides an excellent alternative to the Douglas Lighting WRS-2224 Relay scanner with more features, functions, capabilities, and superior pricing.