



## S2BACLightDP

Aromat /Panasonic/Douglas Lighting Relay Controller

Comparison to Douglas Lighting WRS-2224 Relay Scanner

The S2BACLightDP is an intelligent lighting relay controller designed to control twenty-four (24) Panasonic/ Aromat /Douglas Lighting Relays (WR-6221, WR-6161, etc) used primarily in commercial lighting control applications. The S2BACLightDP was designed as a replacement/upgrade to the popular Douglas WRS-2224 Relay Scanner. The list below provides a comparison between the S2BacLightDP and the Douglas WRS-2224 device:

Item	S2BacLightDP	Douglas WRS-2224
Size	4.25"W x 6.38"L x 1.72"H	3.93"W x 6.50"L x 1.60"H
DIN Rail Mount	Need Adapter Plate	Standard
Magnetic Mount	Standard	Not Available
Power Supply	24VAC - with Replaceable Fuse	24VAC
Wire Connectors	All Pluggable - Relay, Power, and Group Input wiring connections are virtually the same as the WRS-2224	Terminal Blocks
Relay Outputs	24	24
Support GE RR7 /RR9 Relays	Yes - Requires inexpensive Adapter Plug	No
Group Inputs	8	5
Binary Inputs	2 - includes 12VDC to power external sensors	0 - Requires external Douglas Input device
Real Time Clock with schedules	Yes - includes backup battery and 8 schedules	- Requires external device

BMS Integration Support	Bacnet IP, MSTP, N2, Modbus TCP/RTU, DMX. JCI N2 - All onboard, no external modules required	LON or Bacnet MSTP - Requires external module
Protocols Supported	Bacnet, DMX, JCI N2, Modbus, Webserver, FTP, MQTT, Dali	RS485 Proprietary ASCII - requires external module
Web Server	Yes with CSS support	-
Firmware Upgradeable	Yes - Can be done in field	No
Configuring/Programming	Externally using the on-board USB, Ethernet, or RS485 interfaces - Full capability programming	Onboard using surface membrane switches - Basic programming only
Custom Functionality Support	Yes - Simple Field firmware update	No