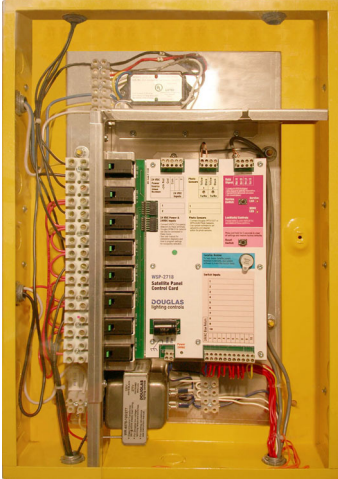
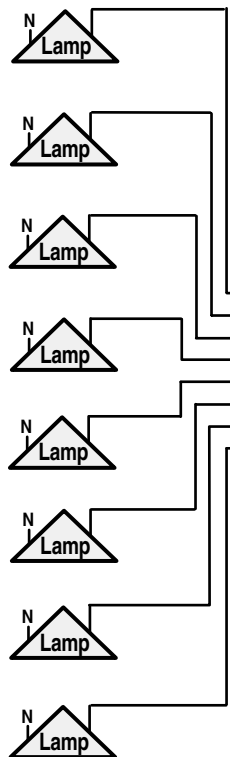


	PART No.	DESCRIPTION	SPECIFICATION
	WSP-2718-S2-SIP WSP-2718-S2-FIP	<ul style="list-style-type: none"> The WSP-2718 Satellite Panel is designed for applications that require small panels to be located close to the load(s) being controlled. A Satellite Panel has 8 relays. 	<p>Satellite Panel Ratings</p> <ul style="list-style-type: none"> Eight latching relays are installed in a Satellite Panel. The latching relays are designed for all types of lighting loads and are rated for 20 Amp 120/277/347VAC.
	WSP-2718-S3-SIP WSP-2718-S3-FIP	<ul style="list-style-type: none"> Typical applications are school classrooms or office spaces. 	<ul style="list-style-type: none"> Each relay is equipped with a manual lever to permit easy control at the panel. This is especially useful during the installation phase for testing and convenient override.
		<ul style="list-style-type: none"> The primary advantage of a Satellite Panel is reduced wiring. Typically, a line voltage circuit from the breaker panel is connected to the Satellite Panel which distributes it to several smaller loads. Low voltage controls such as sensors or switches are wired directly to the Satellite Panel instead of being run back to a main panel. 	<p>Satellite Panel Inputs</p> <ul style="list-style-type: none"> The Satellite Panel has several input types available. They are:
		<ul style="list-style-type: none"> To control and program a network of Satellite Panels, a 2-conductor data signal is connected to each of the panels. The data signal then connects to the WNP-2150 Network Manager. The WNP-2150 Network Manager is accessed with any internet browser software to view and edit switch functions, sensor actions and time schedules set for each Satellite Panel. 	<ul style="list-style-type: none"> Ten configurable inputs* that are compatible with all standard Douglas 2-wire switches and occupancy sensors. Alternatively, the inputs can be set to accept signals from contact devices that are either momentary or maintained. Two photo sensor connections compatible with Douglas WPS-5527K (outdoor) and WPS-5533K (indoor) photo sensor modules. One 250ma/24VDC power supply and 24VDC inputs to support applications that use 24VDC motion sensors by other manufacturers.

Outputs

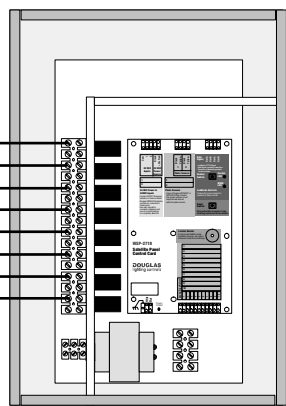
Eight Lighting Relays

Latching relays, lighting load rated. Rating: 20A 120/277/347 VAC. Manual override lever Included.



WSP-2718 8-Relay Satellite Panel

- Digital connection to W-2000 System for building-wide control and monitoring.
- Local controls are standard Douglas 2-wire control devices.
- Satellite Panels can be programmed to provide various combinations of switching, occupancy and photo sensor control.



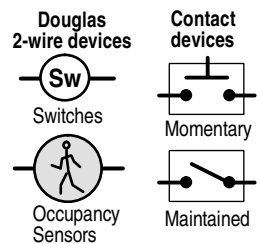
Data Signal

The Satellite Panel is a part of the W-2000 system which uses a 2-conductor LonWorks Data Signal for network-wide communication and control.

Input Options

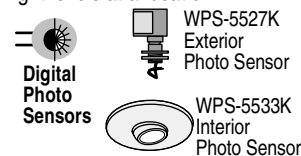
Ten Programmable Inputs

Each of the 10 inputs can be programmed to control any relay or group of relays. Each of the 10 inputs can be configured for control by contact closure(s) and/or by Douglas 2-wire devices.



Two Digital Photo Sensor Connections

Each of the 2 digital photo sensor inputs can be used to monitor light levels at a location.



Two 24VDC Occupancy Detector Inputs

A 24VDC power supply and 2 inputs are available to support occupancy detectors by other manufacturers.

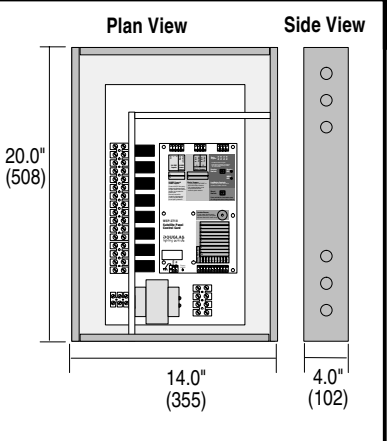


- * Input Configuration options:
- Douglas 2-wire control (default)
 - Douglas 2-wire control, inverted
 - Momentary contact, ON only
 - Momentary contact, OFF only
 - Maintained contact, Close=ON, Open=OFF
 - Maintained contact, Close=OFF, Open=ON

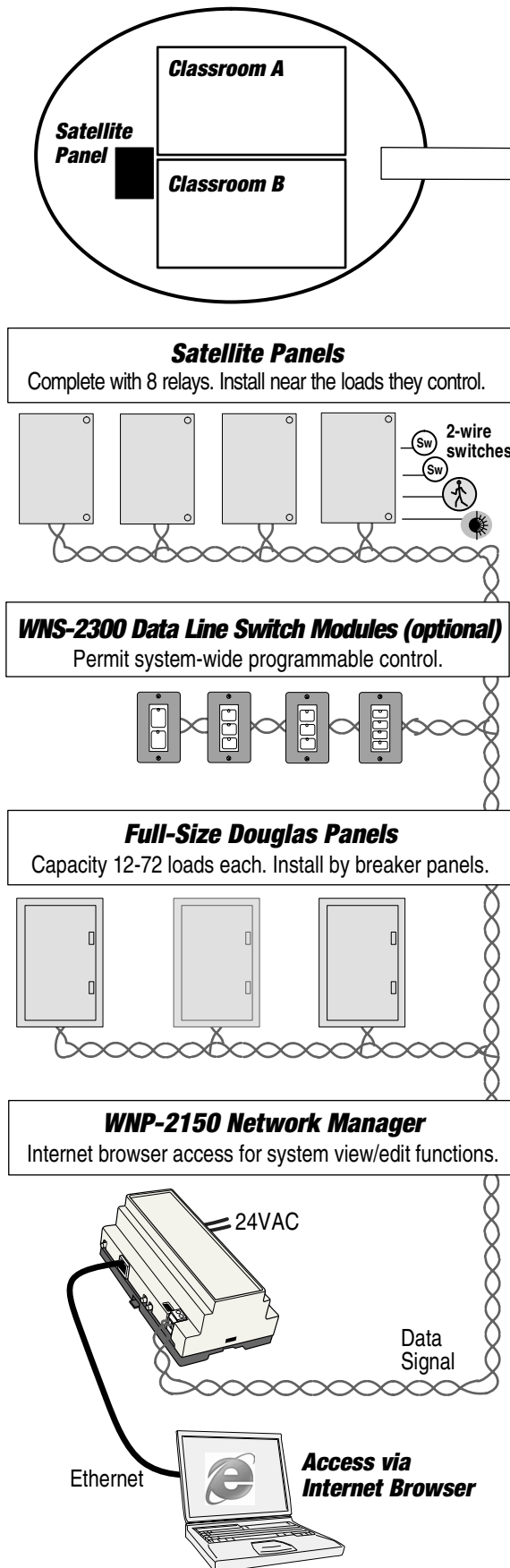
Satellite Panel Programming

- The Satellite Panel is programmed via the WNP-2150 Network Manager. Basic features available include:
 - Time-of-day scheduling
 - Photo sensor setting levels
 - Variable photo sensor settings
 - Switch input assigned to any output
 - Combination logic involving photo sensors, occupancy and switches.
- The WNP-2150 uses Web Technology, so the connecting PC requires no software other than an internet browser to view/edit system settings.

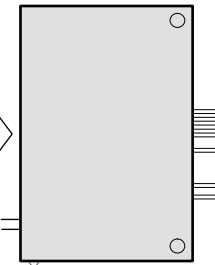
DIMENSIONS & MOUNTING



CONNECTIONS & APPLICATION

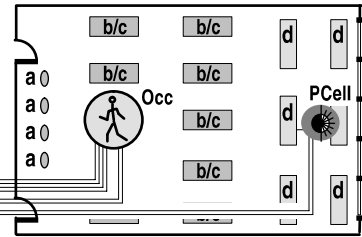


Satellite Panel

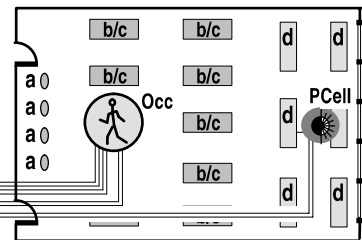


All low voltage 24V wiring shown for devices illustrated.

Classroom A



Classroom B



Installation

- Install Satellite Panel near loads to be controlled. Bring branch circuit(s) to Satellite Panel as required. Typically, this would be 1 or 2 branch circuits. (There can be 8 branch circuits if needed.) Each relay is lighting load rated to 20A 120/277VAC (347VAC Canada).
- Connect switches and sensors as needed. Schematic above shows the low voltage wiring for the devices shown.
- Connect data signal to Satellite Panel.

Operation

- The list below includes various schemes that can be relevant, and are available for, this application.
 - The 4 switches and the occupancy sensor (Douglas WRM-5104) work in parallel. The occupancy sensor can automatically switch lights OFF/ON or just OFF. The switches provide occupant control to accommodate events such as an AV presentation.
 - Switch "d" and the occupancy sensor can be associated with the photo sensor so that the light can only be switched ON should there be insufficient natural light. Otherwise, the light remains OFF regardless of switch or occupancy action.
 - The photo sensor can control several circuits at different light levels. For example, should natural light become very bright, circuit "c" could then be turned off.
 - Occupancy sensor control can be linked to the photo sensor so that the photo sensor does not switch lights when the room is unoccupied.
 - Should no occupancy sensor exist, time control (7-day and holiday date scheduling) can be used for automated switching.
 - Should no photo sensor exist, astronomic functions are available.
 - A switch can be programmed for group function and can operate more than one relay.
- The above is a partial list to describe various combinations that are available. Attaching the optional dimming ballast control card permits variable controls for dimming ballasts that operate in scenarios similar to those described above.

W-2000 System

- The Satellite Panel is part of the W-2000 system. Use the WNP-2150 Network Manager to configure the Satellite panel. Up to 60 network devices can be controlled by a WNP-2150. A Satellite Panel counts as ONE network device.