

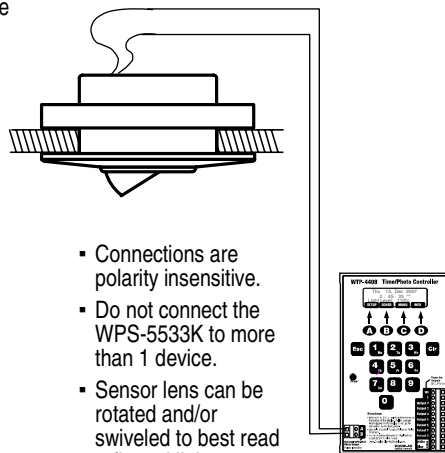


	<b>PART No.</b>	<b>DESCRIPTION</b>	<b>SPECIFICATION</b>
 	<p><b>WPS-5533K</b> Indoor Daylight Sensor</p>	<ul style="list-style-type: none"> <li>The WPS-5533K Indoor Daylight Sensor and WPS-5527K Outdoor Daylight Sensor can be connected to these Douglas products:                             <ul style="list-style-type: none"> <li>- WPS-5577 Photo Controller</li> <li>- WTP-4408 Time/Photo Controller</li> <li>- LitePak Panel (WTP-4418 Controller)</li> <li>- WPI-5910 0-10VAC Analog Interface</li> <li>- WSP-2718 Satellite Panel</li> <li>- WTT-4944 Temp/Photo Control</li> </ul> </li> </ul>	<p><b>Output</b></p> <ul style="list-style-type: none"> <li>The WPS-5533K or WPS-5527K light sensor is a microprocessor driven device that is autoranging and accurate to within <math>\pm 10\%</math>.</li> <li>Sensor head outputs a digital signal compatible with Douglas Controllers and Satellite Panels.</li> <li>Use a twisted pair of #18AWG wires to connect the sensor to interface. Maximum wire length: 500' (150m).</li> <li>Connection of the sensor is insensitive to polarity.</li> </ul>
	<p><b>WPS-5527K</b> Outdoor Daylight Sensor</p>	<ul style="list-style-type: none"> <li>The WPS-5533K and WPS-5527K Daylight Sensors each have a range from 0 to 6500 footcandles (0 to 65,000 lux). They each provide a digital value 5 times per second.</li> <li>Connect the WPS-5533K or WPS-5527K to the host device with a twisted pair of #18AWG wires. No cable shielding is required.</li> </ul>	<p><b>Environment</b></p> <p><b>WPS-5533K INDOOR DAYLIGHT SENSOR:</b></p> <ul style="list-style-type: none"> <li>Indoors, stationary, non-vibrating, non-corrosive atmosphere and non-condensing humidity.</li> <li>Ambient operating temperature: <math>-15^{\circ}\text{F}</math> to <math>+130^{\circ}\text{F}</math> (<math>-25^{\circ}\text{C}</math> to <math>+55^{\circ}\text{C}</math>).</li> </ul> <p><b>WPS-5527K OUTDOOR DAYLIGHT SENSOR:</b></p> <ul style="list-style-type: none"> <li>Stationary, non-vibrating, non-corrosive atmosphere.</li> <li>Ambient operating temperature: powered: <math>-55^{\circ}\text{F}</math> to <math>+130^{\circ}\text{F}</math> (<math>-50^{\circ}\text{C}</math> to <math>+55^{\circ}\text{C}</math>), unpowered: <math>-10^{\circ}\text{F}</math> to <math>+130^{\circ}\text{F}</math> (<math>-25^{\circ}\text{C}</math> to <math>+55^{\circ}\text{C}</math>).</li> <li>Sensor is watertight and able to withstand direct rain and snow. Mount sensor to avoid coverage by snow and ice.</li> </ul>

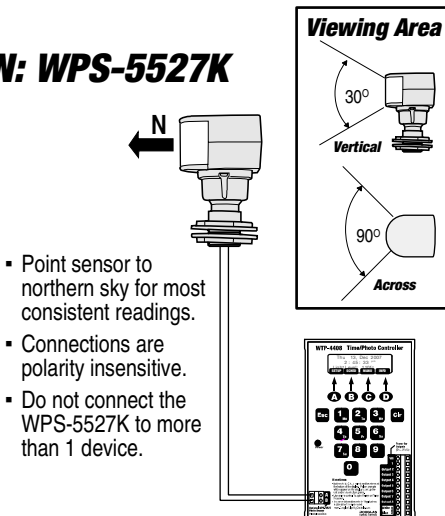
**CONNECTIONS & INSTALLATION: WPS-5533K**

- The sensor measures the light reflected from the surface below. Direct light from uplights or light reflected from shiny surfaces (such as polished floors) or very dark surfaces will yield poor results.
- Always try to locate the sensor so that the surface it sees below is likely to remain the same once the building is occupied. For example, avoid a desktop surface because reflectivity can change depending on the amount of paper on it. Good locations are a matte-finished floor such as a neutral colored carpet.
- The light measured from the surface below is almost always less than half the value of the light that strikes the surface below. For many applications, this is not a problem, however the light values at which switching occurs will be some ratio or fraction of the actual light being measured.
- Never allow artificial light to shine directly on the WPS-5533K Sensor.
- For skylight applications use either the WPS-5533K Indoor Sensor or WPS-5527K Outdoor Sensor, depending on whether open loop or closed loop daylight control is required.



**CONNECTIONS & INSTALLATION: WPS-5527K**

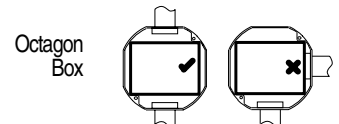
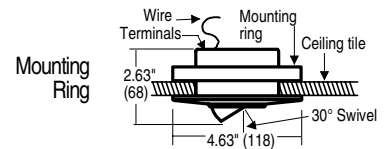
- The WPS-5527K Sensor is weatherproof and designed to withstand harsh climate. However, mount the sensor, when possible, either indoors pointing outward or in a sheltered area so the sensor's measurements will be less affected by dirt, snow or ice buildup. If mounting outdoors, try to shelter the sensor from the elements. For example, mount the sensor on the underside of the junction box.
- The sensor has a plastic mounting nipple that can be threaded to a 1/2" pipe thread. A mounting nut is also supplied to suit mounting to a 1/2" knockout.
- Do not mount the WPS-5527K Sensor so that artificial light shines directly on it.



**DIMENSIONS & MOUNTING**

**WPS-5533K INDOOR DAYLIGHT SENSOR**

- Unit attaches to mounting ring with screws



- attach conduit to opposite ends.

**WPS-5527K OUTDOOR DAYLIGHT SENSOR**

