



LC9 SUNWATCHER APPLICATION NOTE

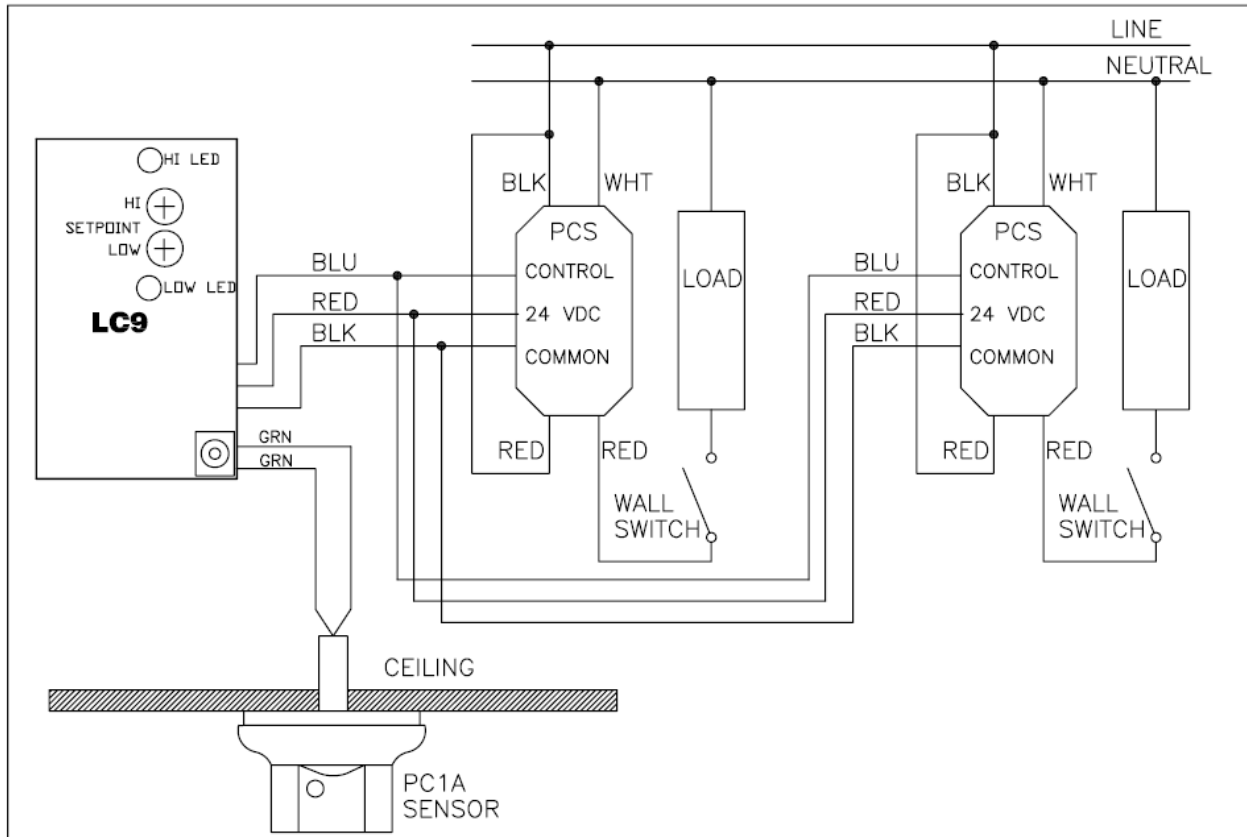
SCHOOL CLASSROOM

The **Sunwatcher** works in the following manner. Early in the morning, when the available daylight is low, the **LC9** controller keeps the lights on. As the daylight increases and provides more room light, the **LC9** turns the lights off. Later in the day, when the ambient light diminishes, the **LC9** turns the lights back on. A wall-switch interrupts the power at night when the lights need to be kept off.

Installing an **LC9 Sunwatcher** in the classroom was easy. The **PC1A** sensor was mounted about 10 feet in from the window, so as to sense both outdoor and indoor light. (It is important that the sensor be located where it sees an average of the task area to be controlled). The **PC1A**'s adhesive backing poked through a ceiling tile with only a 3/8 hole. The **PCS/120** relay was mounted in a ceiling utility box and wired to the ballast power. The control unit was wired from the low voltage side of the **PCS/120** relay, set and left in the air plenum area. (A flush mounted wall switch model is also available).

In setting the Low and High (On and Off) footcandle levels, the engineer specified levels based on the type of room usage and the blend of natural and artificial light. As in all **PLC-MULTIPOINT** lighting controllers, the **LC9** setpoints can be easily reset when the task lighting requirements change.

APPLICATION NOTES



LC9 SCHEMATIC