



## LC9PF APPLICATION NOTE

### OFFICE BUILDING BREAK AREAS

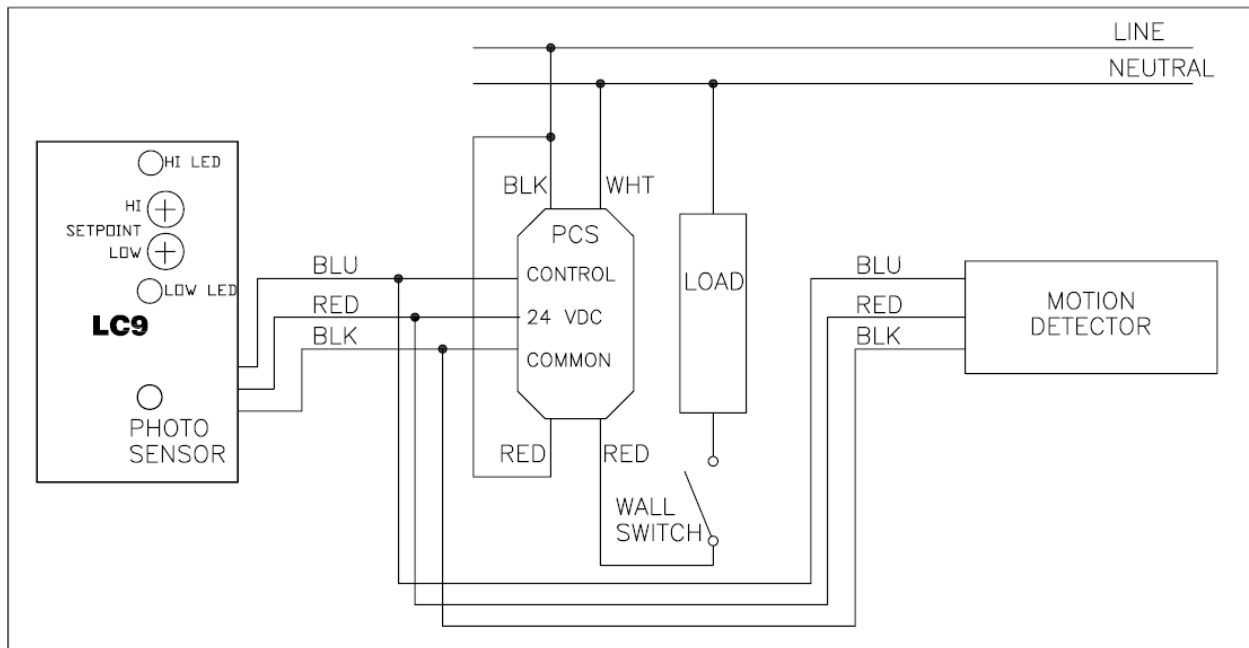
The new headquarters building for a major corporation provided break areas on each floor. The employees enjoyed the spectacular view of the surrounding landscape provided by the outside glass walls of the building. The operating philosophy of the corporation required that the break area BAS controls be replaced by motion sensor overrides, so that employees could make use of the facility at any time. Often informal late night meetings were held in the break areas.

These same glass walls also provided an energy savings opportunity. By adding the **LC9PF** from **PLC-Multipoint** to the motion sensor control system, the company was able to harvest daylight and turn off the lights in the area for most of the normal working day. The hours of highest daylight are also the hours when energy is the most expensive. The payback for the work and equipment was less than two years.

The **LC9PF** has a time delay before a change of status to prevent rapid on and off operations. The combination of motion sensor and photo control significantly increased the mean time between fixture maintenance.

The **LC9PF** is compatible with motion detector systems that operate at 15vdc and also with systems that operate at 24vdc. It can also work as a stand alone system powered by a **PCS** at 120 or 277 volts. Variable set points and a deadband allows the system to be set for the exact indoor application desired. It is not recommended for atrium or outdoor applications. The system package is easy to install, with little wiring required.

APPLICATION NOTES



### LC9PF SCHEMATIC