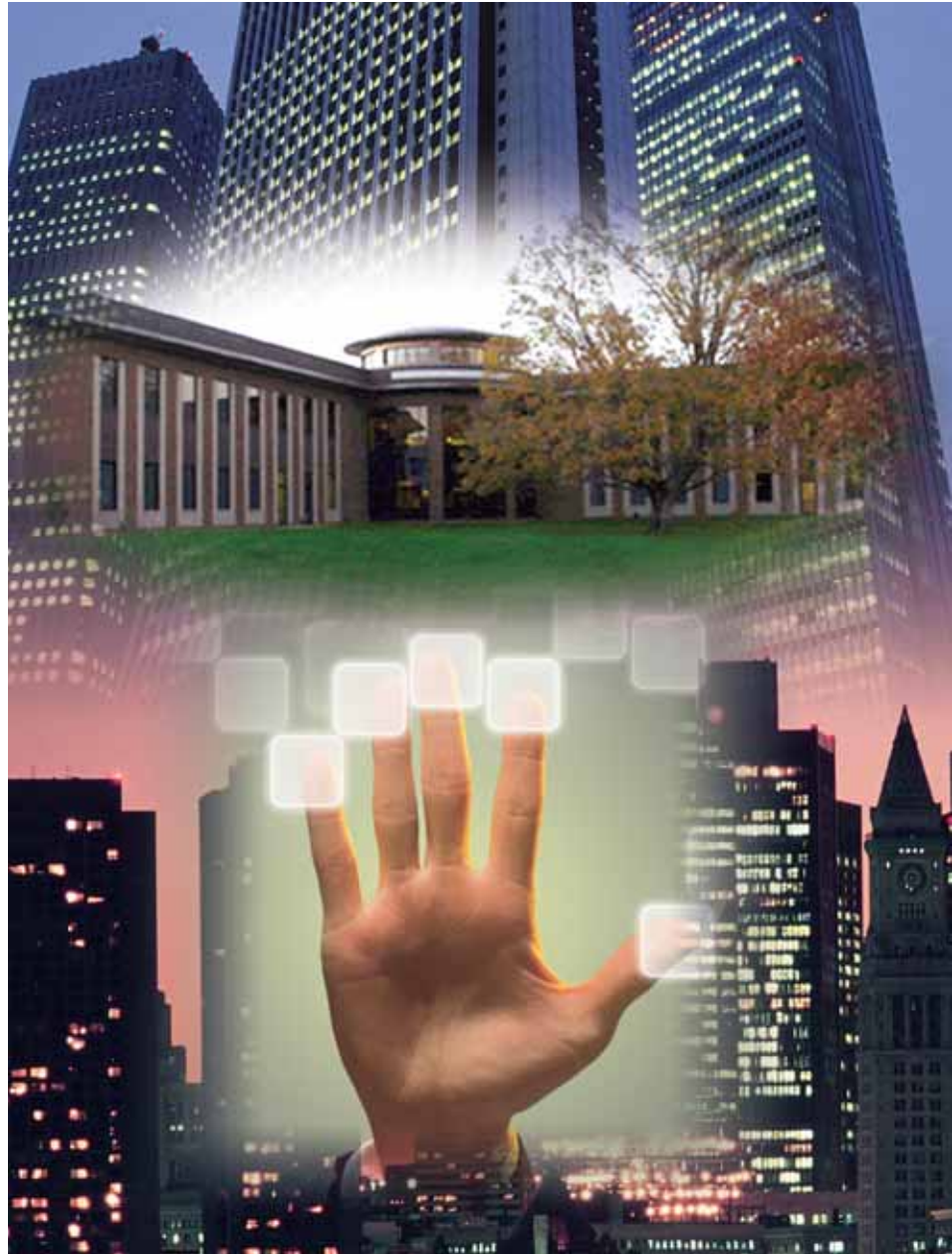


Square D® Powerlink® G3 Lighting Control Systems

Lighting control solutions that save
energy, time, and space.



Square D® Powerlink® G3 systems feature the robust, proven Powerlink remotely operated circuit breaker. This proven design provides long lasting rugged performance, rated to handle the rigors of today's harsh high-efficiency lighting loads.

BIG SAVINGS IN A SMALL PACKAGE



REDUCE ENERGY COST

Square D Powerlink G3 lighting control systems provide an immediate return on your energy savings investment by automatically switching lights Off during unoccupied periods. This means big savings and a quick payback. Compared with other energy savings technologies, a Powerlink control system can provide both a lower initial capital outlay and greater energy savings.

NO ADDITIONAL INSTALLATION COST

Powerlink G3 lighting control systems are housed in the lighting panelboard. No extra boxes to mount, relays to wire, or complex panel schedules to decipher. Each Powerlink panel comes from the factory fully assembled and tested. Installing a Powerlink panel takes no more time than mounting a standard lighting panelboard.

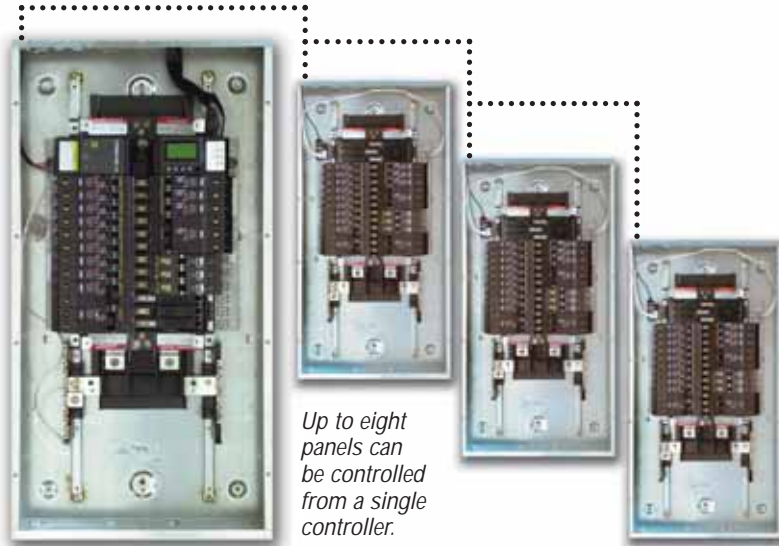
DESIGN SIMPLICITY

Powerlink G3 simplifies a designer's life by eliminating the need to create special lighting schedules or to negotiate with the architect over limited space constraints.

Powerlink G3 systems are also fully code compliant. Meeting today's energy codes, such as ASHRAE 90.1, requires a system that can be easily adapted to meet many different requirements. Powerlink systems have been designed to offer the utmost flexibility in meeting today's requirements regarding automatic shut-off, space controls, and daylighting.

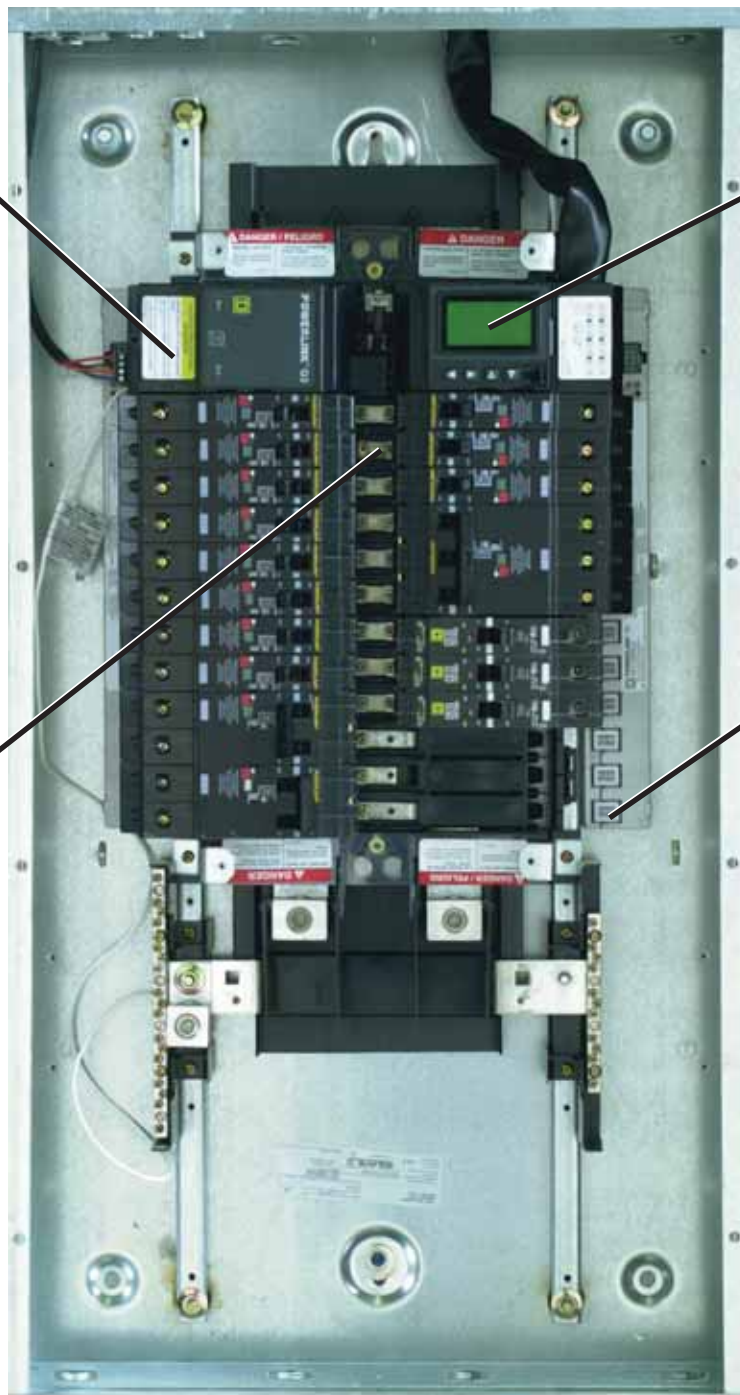
DESIGN INTEGRITY

A Powerlink G3 system is the only lighting control offering that is Underwriters Laboratory (UL) Listed for use on today's high fault current systems. UL short circuit current ratings are available through 200,000 Amps providing the designer with the only choice in meeting the requirements specified in the National Electrical Code® (NEC) 110-10. By specifying Powerlink G3, designers can comfortably rest knowing that the product is fully code compliant.



Up to eight panels can be controlled from a single controller.

A self-contained power supply furnishes the power for remote circuit breaker switching and for the system's electronics.



The intelligence of the Powerlink G3 system comes from its micro-processor-based controller. It processes many signals that originate externally from control devices, such as switches or sensors, or from its powerful internal time scheduler that switches breakers according to predefined daily schedules.

Innovative Square D remote-operated circuit breakers combine the protective features of conventional circuit breakers with the switching functions of a contactor. This eliminates the need for separate relays or contactors and the associated enclosures and wiring. With series connected ratings up to 200,000 RMS amperes, Powerlink G3 circuit breakers are designed to handle today's and tomorrow's high short circuit current requirements. They're proven to perform for 200,000 On/Off/On operations, which far surpasses UL requirements. The circuit breakers are rated for HACR, HID, and SWD loads. Single-, two- and three-pole versions are available in ratings up to 30A.

Plug-on control bus strips act as the bridge between the circuit breakers and the electronic control components of a Powerlink G3 system. There's no complicated, bulky control wiring or connectors to worry about. The bus strips easily attach to the panelboard interior without any special fasteners or modifications.

One size does not fit all. Your lighting control needs are not the same as your neighbor's; your lighting solutions don't have to be either. Schneider Electric recognizes that requirements vary among our customers. That is why we have created four systems that can be custom-tailored for you.

LIGHTING CONTROLS FOR EVERY NEED

500 LEVEL SYSTEM

Basic control for low-voltage switching applications

Ideal for use in facilities where time-of-day control is being managed from a time clock or centralized building management system.

- Soft mapping for grouping branch circuits into zones that can be operated as a common group. Up to 64 independent zones can be configured for a single controller
- Eight input terminations for connecting local control devices to operate individual lighting zones
- Input timers to provide a timed override capability to local control devices
- Blink notification to alert occupants of an impending 'lights out' command
- RS232/485 port for serial communications with other systems using industry recognized Modbus protocol

1000 LEVEL SYSTEM

Time-of-day control for meeting today's energy code requirements

The low cost choice of designers looking to provide a code compliant installation.

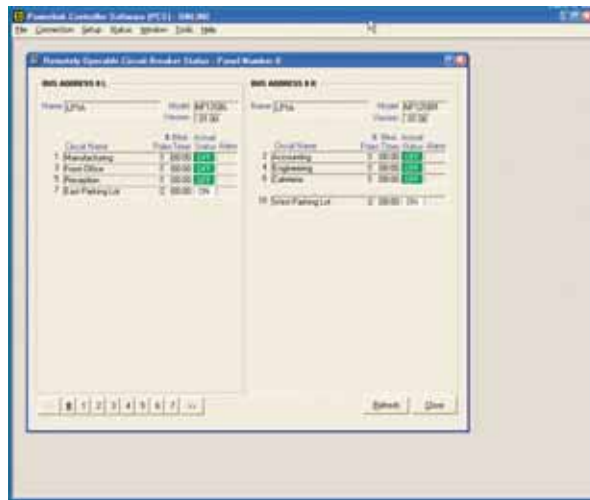
- Same basic features of a 500 level system
- Seven-day repeating electronic clock, temperature compensated to minimize clock drift. Includes automatic daylight savings setbacks, leap year correction, 32 special holiday periods, and automatic computation of sunrise/sunset times
- Sixteen independently configurable time schedules, each having 24 separate on/off periods
- Sixteen input terminations for connecting local control devices to operate individual lighting zones
- On-board event log (viewable through PCS software)
- Breaker run-time counters for tracking burn-time on lighting fixtures.



Power supply mounts onto interior and occupies only three pole spaces.



Breaker status screen.



2000 LEVEL SYSTEM
Fast Ethernet-based control for managing a large lighting system

Take advantage of your building's existing Ethernet backbone and its open architecture and share data between controllers at blistering speed. 2000 level systems are ideal for larger commercial and industrial buildings where the information from a local control device such as a photo sensor or switch is used to control branch breakers located in several different panels scattered throughout the facility.

Enhances the capabilities of a 1000 level system by adding:

- 10BaseT port for peer-to-peer Ethernet communications using Modbus TCP protocol
- Ability to share remote status (input commands, time schedules, or zone states) with up to 255 other controllers
- Remote source capability for mapping up to four local or remotely located sources (input commands, time schedules, or zone states) with a single zone
- Network time synchronization service for coordinating controller time reference with a centralized timeserver
- Configurable alarm generator for tagging non-responding breakers and other operational parameters (viewable through PCS software)

3000 LEVEL SYSTEM
Web-enabled control for controlling and managing the cost of the lighting system

The 3000 level system forms the foundation for a completely Web-enabled lighting control system. From the convenience of a standard Web browser, users can easily access information about the lighting control system, initiate overrides, or make a schedule change without having to modify the schedule in each panel.

- Includes the same powerful features of a 2000 level system
- Integral Web server to provide ready access to panel status and configuration screens
- Email alarm notification service for automatically notifying assigned users of an alarm condition through their computer e-mail program, pager, or cell phone
- Seamless coordination with Powerlink® network area controllers (NACs) to provide a host of special control capabilities including automatic load shed/restore, stepped dimming, demand control, and integration with other equipment
- Extends functionality of Powerlink G3 system to communicate with Square D® Clipsal® devices



NF3000G3 Controllers support 10BaseT Ethernet communications. Easily connect to your existing building network.

REMOTE MONITORING AND CONTROL AT YOUR FINGERTIPS



Connectivity is the key to managing a lighting system. With Square D Powerlink G3 critical information about the lighting system is always available at your finger tips. With the click of a mouse, users can quickly observe breaker status, the operation of the system, or make configuration changes.

PCS software provides users with the convenience of configuring a Powerlink system from a personal computer. PCS software further provides an added level of comfort by providing an archive backup of panel and system configurations. With PCS software, users have immediate access to their lighting control system, whether their computer is connected locally within the building, connected directly to the system controllers front panel, remotely via modem, or via an Ethernet connection.

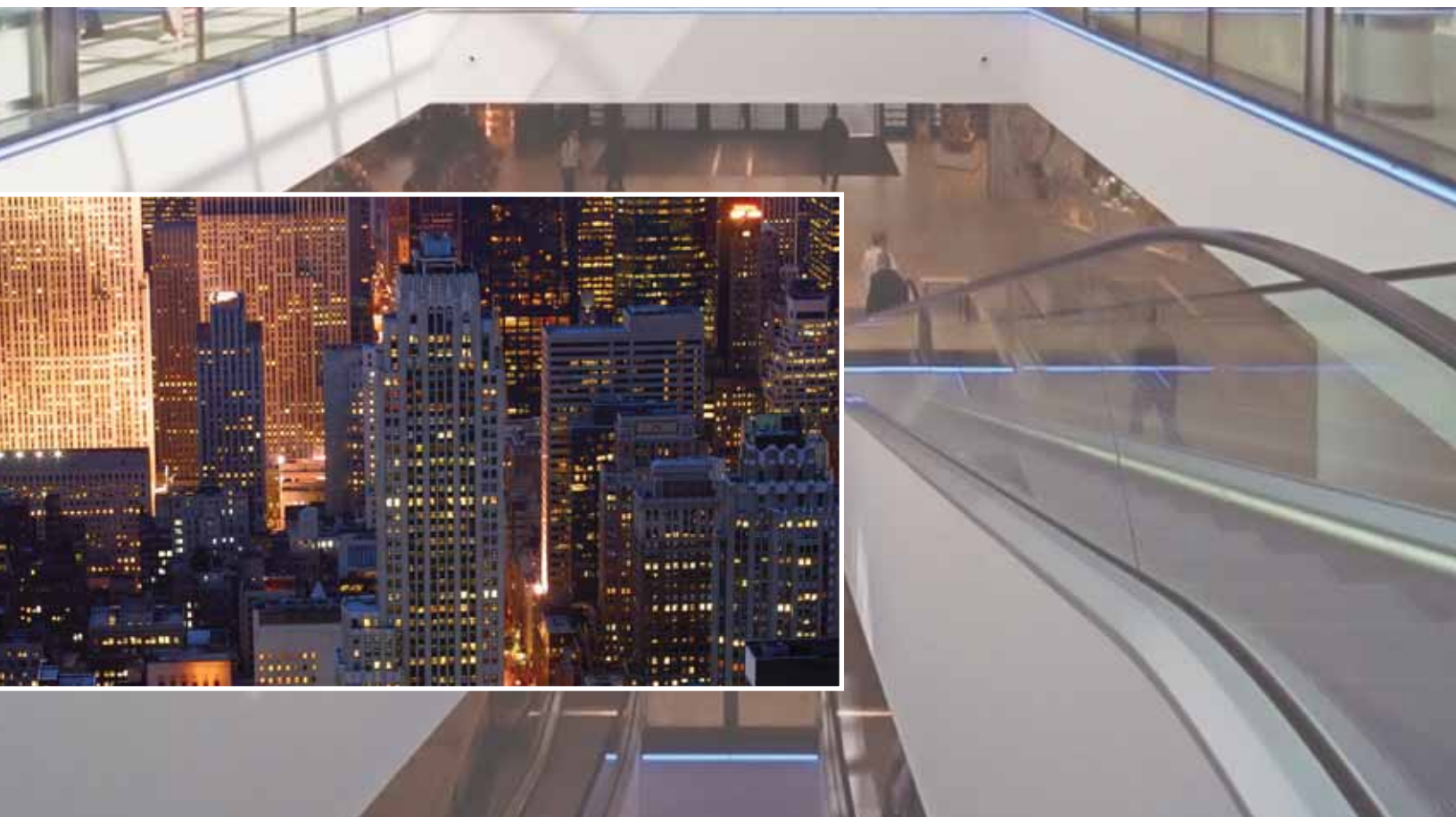


For non-technical users, Web-enabled graphics provide information in an easy to understand format. From the convenience of a standard Web browser, users can switch lighting in their area or make schedule changes without any technical knowledge of the lighting control system.





LIGHTING CONTROL ANYTIME . . . ANYWHERE.



LIGHTING CONTROL TO MEET YOUR NEEDS

Powerlink is the logical choice for ...

Greater space savings

Lower equipment installation costs

Easier startup

Remote access

providing a customized system
to accommodate your application




*For more information call: **1-888-SQUARED***

*Or, visit our web site: **www.squaredlightingcontrol.com***

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