



Distributed Load Controls and Innovative Scheduling Effective Solutions for Large-Scale Facilities

GreenMAX™ Scheduling and DRC 0-10V Smart Pack

USE AS AN EASY-TO-RETROFIT AND COST-EFFECTIVE DISTRIBUTED CONTROL AND ADVANCED SCHEDULE SOLUTION

Large format facilities such as office complexes, college campuses, casinos, stadiums, convention centers, hotels and gyms often contain a multitude of lighting loads spread across vast distances. Although a single, easy-to-manage point of control is desired, running wire and equipment across these expanses is incredibly labor-intensive and cost-prohibitive. Leviton solves the issue of large format advanced control by pairing the GreenMAX Relay Control Panel with DRC 0-10V smart packs, which manages highly distributed load controls with advanced behavior-based scheduling in a system solution that is cost-effective, easy to design and install.

PROBLEM

Large office complex desires lighting and energy control based on operating hour schedules.

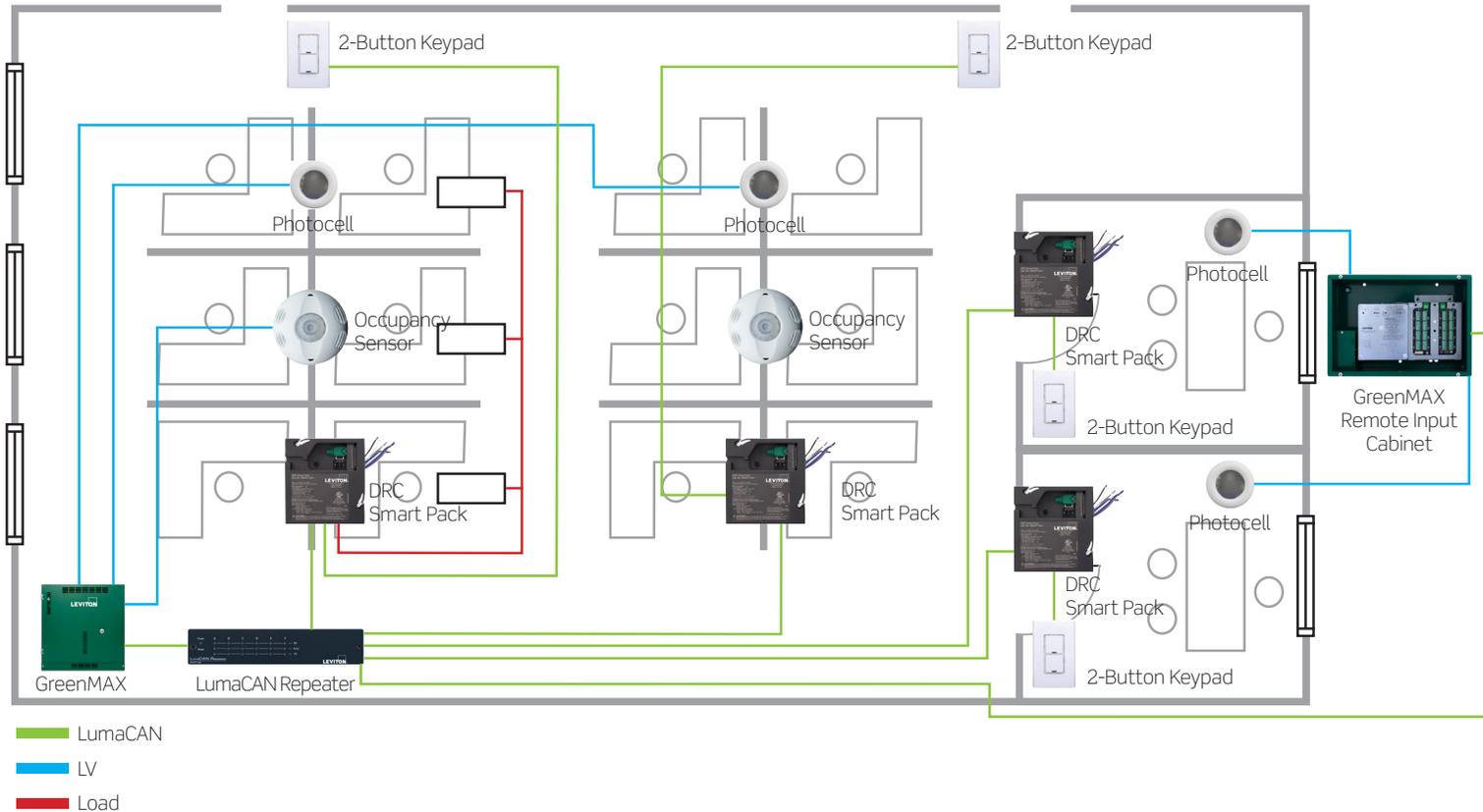
- Facility spans over 50,000 square feet with numerous different rooms and areas with varying lighting needs
- Requires scheduling capabilities to automate lighting loads in accordance with business hours and holidays
- Contains 0-10V LED lighting with several phase control loads that require integration
- Must comply with IECC, ASHRAE 90.1, and 2016 Title 24, Part 6 occupancy/vacancy sensing, 0-10V dimming, daylight harvesting, partial-ON, partial-OFF, scheduling, demand response, and receptacle control requirements

SOLUTION

DRC 0-10V Smart Packs enable distributed control to eliminate size and wire run limitations, and GreenMAX Relay Control Panels offer advanced scheduling controls.

- Manages highly distributed loads with innovative behavior-based scheduling in a system solution that is cost-effective, easy to design and install
- Set pre-programmed Behaviors to scale on a daily, weekly, monthly or holiday schedule—optional overrides to sunrise/sunset astronomical clock, preventing lights from activating prematurely in summer or too late in winter
- Can be used to comply with 2016 Title 24, Part 6 occupancy/vacancy sensing, 0-10V dimming, daylight harvesting, partial-ON, partial-OFF, scheduling, demand response, and receptacle control requirements

GREENMAX AND DRC SMART PACK OFFICE COMPLEX



WHAT YOU WILL NEED

GREENMAX AND DRC SMART PACK OFFICE COMPLEX SOLUTION		QTY
	GreenMAX Relay Control System RxxTC-100, RPMxx-xxx, Rxxxx-xxx, RHDU1-xxx, RELAY-xxx • Advanced behavior-based scheduling with high-capacity relay control	1
	DRC Smart Pack DRD07-EDO • Provides 0-10V single channel zone control for switching fixtures over extended distances	4
	LumaCAN 6-Port Repeater NPRPT-006 • Repeat LumaCAN data out each port to extend network length and increase device density	1
	Multi-Tech Occupancy Sensor OSC20-RMW • Senses occupancy within the space and signals the system to adjust light accordingly	2
	2-Button Station RDGSW-2CW • Digital switches that utilize the LumaCAN protocol for unparalleled programming flexibility	4
	Photocell ODC0P-00W • Senses natural light present in the space and signals the system to adjust lighting accordingly	4

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