



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

Sapphire™ Touchscreen Control and DRC 0-10V Smart Pack USE AS AN EASY-TO-RETROFIT AND COST-EFFECTIVE DISTRIBUTED CONTROL SOLUTION

Large format facilities such as retail facilities, restaurants, casinos, stadiums, convention centers, hotels, gyms and hospital campuses 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 Sapphire Touch Screen Control with DRC Smart Packs, which manage highly distributed load controls with innovative scheduling in a system solution that is cost-effective, easy to design and install.

PROBLEM

Large hospital campus desires lighting and energy control.

- Facility spans over 50,000 square feet with numerous different rooms and areas with varying lighting needs
- Requires individual control of each lighting zone in each patient room
- 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 Sapphire Touch Screen Control offers scheduling capabilities and pushbutton scenes.

- Manages highly distributed loads with innovative scheduling in a system solution that is cost-effective, easy to design and install
- Scheduling capabilities via the Sapphire Touch Screen Control—includes 7-day scheduler, holiday exceptions, special events calendar and astronomical time clock
- 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

SAPPHIRE AND DRC SMART PACK HOSPITAL



WHAT YOU WILL NEED

SAPPHIRE AND DRC SMART PACK HOSPITAL SOLUTION	
	Sapphire Touchscreen TS007-xxx <ul style="list-style-type: none"> • Touchscreen architectural control with scheduling and scenes with customizable user interfaces
	DRC Smart Pack DRD07-ED0 <ul style="list-style-type: none"> • Provides 0-10V single channel zone control for switching fixtures over extended distances
	DIN Rail Mount Power Supply PST24-I10 <ul style="list-style-type: none"> • Low-wattage power supply providing +24VDC power—required if touchscreen is end-of-line. If touchscreen is between 2 DRC Smart Packs, no external supply is required

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