



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

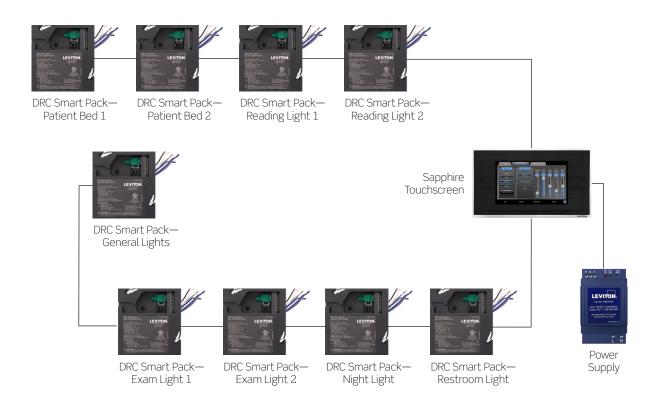
DRC 0-10V Smart Packs enable distributed control to eliminate size and wire run limitations, and Sapphire Touch Screen Control offers scheduling capabilities and pushbutton scenes.

- 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

Leviton Manufacturing Co., Inc. Energy Management, Controls and Automation



SAPPHIRE AND DRC SMART PACK HOSPITAL



WHAT YOU WILL NEED

SAPPHIRE AND DRC SMART PACK HOSPITAL SOLUTION	
	 Sapphire Touchscreen TS007-xxx Touchsreen architectural control with scheduling and scenes with customizable user interfaces
	 DRC Smart Pack DRD07-ED0 Provides 0-10V single channel zone control for switching fixtures over extended distances
	DIN Rail Mount Power Supply PST24-I10 • 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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