GreenMAX® Relay Panels & Photocells

Outdated airport terminal requires upgrades to meet passenger demand and energy code requirements.

The Challenge

A vital part of the NY transportation system, LaGuardia Terminal B needed to be modernized to meet the needs of travelers. Desperately in need of upgrades, airport officials took on a massive 6-year renovation project, including a new terminal to meet passenger demands and energy codes. Officials also had to ensure operations were not interrupted.

The Installation

Custom GreenMAX Lighting Control Relay Panels, networking equipment, Sapphire™ Touch Screens, emergency controls, and Leviton standalone products were installed as part of the upgrades. The entire system was ultimately tied into the terminal's BMS system resulting in no downtime or interruption of services despite multiple phases of the project.

The Solution

Leviton installed 75 custom-made GreenMAX Panels throughout the terminal. Each panel was equipped with a main circuit breaker and 0-10V dimming relays determined by the consulting engineer.

Commercial tenants in Terminal B had Sapphire Touch Screens installed to provide scene, scheduling, and preset controls.

Leviton Multi-Tech Ceiling Mount Occupancy Sensors were installed to keep the lights on when needed and in accordance with energy codes.

Leviton daylight harvesting and energy saving photocells were added to Terminal B which is brightly lit with floor-to-ceiling windows.

Photos courtesy of LaGuardia Gateway Partners

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The result is a seamless integration of a modern code-compliant lighting control system that enhances the passenger experience and state-of-the-art architecture.

"For a project as substantial and state-of-the-art as LaGuardia Airport's Terminal B replacement project, the building's lighting control system needed to be just the same. The Leviton GreenMAX control system installed has proved to be as modular and expandable as the project needed it to be without introducing complexity."
-Joe Szczechowicz, Sr. Electrical Engineer, WSP

GreenMAX Relay Panels

GreenMAX offers unlimited and flexible lighting configurations that are easy to monitor, manage, and maintain while meeting energy code requirements regardless of the project size.

This centralized lighting control powerhouse features dimming, partial-ON, partial-OFF, advanced scheduling, demand response, and daylight harvesting capabilities.

Native BACnet, Ethernet, and LumaCAN simplify configuration and BMS integration. GreenMAX Relay modules have a higher rating than the competition, and are rated at 30A General Fluorescent Ballast, and 20A Incandescent.

Sapphire Touch Screens

Combine the easy system integration of Leviton commercial lighting controls with the flexibility of a customizable user interface and native control convenience.

Sapphire provides an elegant, full-scale touchscreen control solution for dimming, scene control, scheduling, occupancy sensing, daylighting, and color tuning.

Multi-Tech Occupancy Sensors

Self-adjusting internal microprocessor continually analyzes, evaluates, and adjusts the sensitivity and time delay.

Photocells

Leviton photocells precisely monitor either task or ambient light levels. Photocells work with other components in the system to automatically adjust light levels to a user defined level.

Leviton offers spec-ready and code-compliant lighting and control solutions for airport terminal applications for seamless installations and energy savings.