

Application Note

Energy Efficiency in Gas and Fueling Stations



Benefits

ROI of 2.0-2.5 years

One Unit for all lighting systems

Compact and easy to install

High Energy Efficiency with individual controls of lighting circuits

Features

Controls voltage in all lighting systems of the station including HPS, MH, Fluorescent

Individual control of outdoor lighting allows two different lighting circuits to be operated at different times; convenience store, canopy, billboards and area lighting

Astronomic clock that can be tuned to switch outdoor lights ON and OFF according to sunset and sunrise.

Installs in compact spaces fitting the efficient structural design of gas and fuel station planning.

Solution

Gas and Fueling Stations are hubs of constant activity that require separate lighting areas at different operating hours. With many brightly lit areas around the clock, a large operating expense is required for lighting and electricity. The LEC is designed to control voltage in all lighting systems and in all areas of the station with just one unit. One LEC controls voltage to the fluorescent lights of the convenience store that need to operate 24 hours a day. The same LEC controls MH lamps on the overhead canopy, billboards and area lighting of the station, turning lights ON and OFF according to daylight hours. Total savings of electricity equals approximately 25%. The compact dimensions of LEC fit the limited available space for installations. The LEC can be installed in electrical room or outdoor cabinet.

Product	Range	Applications	Features
LEC A Dual	3x20A - 3x80A	Fuel stations with outdoor lights and convenient store	Re-Ignition, Internal Bypass, Dual circuits, Astro-clock Voltage Stabilization
LEC A	3X20A- 3X80A	Medium and large stations with outdoor lights only	Re-ignition, Internal Bypass Voltage Stabilization, Astro-clock
LEC A sp	1x10A- 1x25A	Small stations with outdoor lights only	Ignition, External bypass Voltage Stabilization

Worldwide Installations

Over 1,000 working units since year 2002

BP Stations

Poland

Savings: 20-25%

RomPetrol Stations

Romania

Savings: 20-25%

PAZ & Sonol Stations

Israel

Savings: 18-22%

OMV Stations

Austria

Savings: 21%

Features

Re-ignition Sequence

Compact size

Astronomic Clock

One system for all circuits

Lighting Systems

HPS and MH

Fluorescent and PL

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