POWER SUPPLY MODULE DVR-260

Current regulating module for LED panels. The DVR-260 power supply module regulates the current powering light emitting diodes (LEDs), making it possible to vary their brightness according to ambient light conditions (using a built-in photoelectric cell or an external control) and guarantee optimal legibility under extreme conditions, from direct sunlight to total darkness. It's 1,000 available brightness increments provide truly gradual brightness variations.

Description:

The module also controls several LED flashing modes.

The DVR-260 can be mounted on a single chassis along with its predecessor, the DVR-250, and it is possible to automatically time several modules to have them operate in sync. The DVR-260 is adaptable to all LED rasters.

The module can serve as a backup power supply for other traffic systems, thus providing the advantage of k eeping old panels in place while benefitting from the latest features.

The DVR-260 also has an alarm detection feature (should rasters disconnect or short circuit) and a dry contact or filament simulation reporting function. The dry contact can also be configured to transmit confirmations.

Specifications:

Functional characteristics

- Automatic adjustment to the current draw
- Power factor correction: ensures voltage and current rephasing and indicates the actual power level
- Direct communication through an R S-485 link for remote access and configuration

Technical characteristics

- Supply voltage: 90–135 VAC/60 Hz
- Maximum power: 23 W
- Power factor: >90%
- Total harmonic distortion (THD): <20%
- Compliance with operating temperature criteria of the NEMA TS 2 standard (-34 to +74°C [-30 to +165°F])

Dimming modes

Extremely flexible dimming modes to meet the needs of various situations (retrofits, new installations, etc.)

- 50% instantaneous or timed fixed dimming using an external photoelectric cell
- Programmable gradual dimming (1,000 increments) using an external photoelectric cell
- Gradual dimming (1,000 increments) according to the brightness of ambient light using a built-in photoelectric cell
- Gradual dimming (1,000 increments) of a set of panels from a master panel controlled by an internal or external photoelectric cell (ensures a uniform brightness among a set of panels)
- Permanent fixed dimming (60%)

Flashing modes

The flashing modes are incorporated and synchronized. Several display options are available:

1. Constantly lit
2. Flashing every 250 ms
3. Flashing every 500 ms
4. Flashing every 1 s
5. Constantly unlit
6. Wig-wag flashing every 250 ms
7. Wig-wag flashing every 500 ms
8. Wig-wag flashing every 1 s