UVTRONIX

TWO-CHANNEL UV LAMP MONITOR WITH 120-240VAC POWER SUPPLY
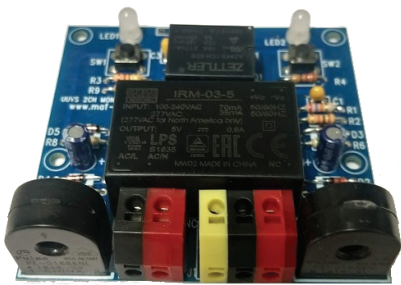# UVT-LM-2CH-WR

DESCRIPTION

This versatile UV lamp monitor and counter continuously monitors and reports the health of up to 2 UV lamps. An innovative design, combined with a powerful detection software algorithm, reports malfunctioning lamps in real time via an integrated three-color LED. The device will also track hours of lamp usage for each channel, information which is saved and retained in non-volatile memory, even in the absence of power, and the device will alarm when a lamp needs replacement.

Due to its non-invasive design, the Universal Lamp Monitor will work with any ballast (instant, pre-heat, rapid start, etc.) up to 200 watts and will not void any ballast warranty. Models are available upon request that will work with ballasts that are in excess of 200 watts.

The proprietary detection software algorithm allows lamps to be installed up to an industry leading distance of 25 feet from the monitor. An integrated dry contact relay allows field wiring to any BMS (building management system) or external alarm. The dry contact relay actuates if a lamp fails, or if a lamp needs replacement, or both. A RESET push button (one per channel) allows the user to clear reported errors as well as resetting each usage counter once the lamp has been replaced. Can be individually field programmed to actively monitor 1 or 2 channels simultaneously.

FEATURES

STATUS INDICATON

Solid GREEN: lamp is ignited
Solid YELLOW: lamp counter has expired
Blinking RED: lamp cannot be ignited
(bad lamp)

- Lamp malfunction detection
- Lamp usage monitoring
- Non-invasive (will not void ballast warranty
- Works with all ballast types
- Works with UV lamps up to 200W (higher power capacity monitors available)
- Can monitor ballasts extended up to 25' from lamps
- Configurable for monitoring 1 or 2 lamps simultaneously
- Self-diagnostic runs on power-up
- Power requirement: 120-240VAC
- Board size: 2.8" x 2.7" x .85"
- 4x 4-40 screw mounting holes
- Optional open collector (OC) binary outputs to interface directly to PLCs, to monitor each lamp independently