



6-CHANNEL MULTIPLEXED UV RADIOMETER UVT-RADMUX-6CH

DESCRIPTION

UVTronix offers a state-of-the-art, advanced radiometer capable of reading up to six UV sensors, suitable for monitoring any UV lamp system. Using remotely mounted UV sensors (available in any UV spectrum), the unit provides realtime monitoring of UV output intensity for each independent channel. Each sensor's monitored output is indicated individually on an alphanumeric display. A set of six dry contact relays gives the ability (NO-C-NC) to easily interface to building management systems (BMS) for remote alarm indication, as well as a local buzzer alarm. Each UV sensor is independently monitored and compared to a menu-driven programmable threshold. If any lamp's UV output falls below that threshold, the corresponding BMS dry contact alarms. A visual indication of the failed channel(s) is displayed via the backlit, 2x24-character LCD. An optional data logging module allows for constant output of UV intensity percentages for each one of the six channels being monitored.

FEATURES



- High intensity backlit alphanumeric display (2x24 characters) is readable in all light conditions
- Intuitive multi-function "MODE" button
- Menu-driven programmable UV threshold. Each sensor reading is compared to this pre-set threshold
- If real-time UV readings fall below the threshold, display indicates "LOW" and triggers its corresponding BMS dry contact and audible alarm. If realtime UV reading is equal to or above the threshold, display indicates "OK"
- UV sensors are available for UVA, UVB or UVC bands
- High impact, casted nickel-plated metal housing for sensor is inert to UV radiation
- Audible alarm buzzer (can be silenced by pressing Mode button)
- Individual failed lamp operation indication
- BMS contacts indicate which channel failed independently
- BMS contacts can also be daisy-chained to allow a single indication if any of the lamps falls below the pre-set threshold.
- Each sensor can be positioned up to 25 feet (7.5 meters) from base unit
- Optional external module (UVT-RADMUX-DL) outputs a linearized voltage for each corresponding channel with the following endpoints:
 - 0% = 0 V + 100 mV / - 0 mV
 - 100% = 10 V ± 500 mV

SPECIFICATIONS

- Power supply: 12V to 24V AC or DC, 1A
- Dry contact output: 250VAC/1A
- Operating temperature: 0-50°C
- Maximum intensity range: 20,000 $\mu\text{W}/\text{cm}^2$
- Dimensions: 8 3/8"W x 3 5/8"H x 1 1/2"D
- Weight: 1.3lbs

Due to a program of continuous improvement, the product specifications may change at any time.