DATASHEET

1200550033

BDU01

PAVA Beacon Driver Unit



- COMPACT DESIGN: DIN RAIL MOUNT ENCLOSURE
- 6 INDIVIDUALLY FUSED OUTPUTS 18-69 V DC (DEPENDING ON INPUT SUPPLY)
- INTEGRATED SUPERVISION WITH BUILT-IN MONITORING
- END OF LINE, EARTH, OPEN AND SHORT CIRCUIT MONITORING
- IP ENABLED WITH SEAMLESS CONTROL
- EN 54 CERTIFIED AS PART OF THE ZENITEL PAVA SYSTEM

Public Address Voice Alarm Commercial Audio EN54 EN 54 Certified

Description

Zenitel's BDU01 is an innovative Voice Alarm Beacon Driver Unit designed to work seamlessly with Zenitel's VIPEDIA/ INTEGRA Audio Routers. Each unit features six individual controlled and fused circuits. By receiving signals over IP from the Voice Alarm Audio Router, the BDU effectively activates and monitors these beacon circuits driving flashing lights or beacons. Multiple BDU01's can be easily daisy-chained via Ethernet for quick and easy connectivity. The primary objective of the BDU is to enhance the effectiveness of Voice Alarm systems during emergency situations or evacuation procedures, providing visual cues and alerts that complement the audio announcements. This dual sensory approach ensures effective information dissemination, even in environments prone to high background noise.

Circuit Synchronisation

For larger sites, or systems that require higher levels of availability, multiple BDU units can be deployed across separate PAVA nodes with interleaved A/B circuits. Equipped with state-of-the-art Active Sync technology, the BDU01 uses the site-wide NTP (Network Time Protocol) source as a clock to ensure precise circuit activation with a tolerance better than 15ms.

Simple Diagnostics

For simple diagnostic, the BDU01 incorporates LEDs that indicate the status of each output zone and input power, enabling quick visual assessment and the identification of operational issues. Furthermore, for efficient troubleshooting and maintenance unit information and operation status can be viewed via the Web Interface.

EN 54 Certified

Additionally, adhering to industry standards, the BDU solution is EN 54-16 certified as part of the Zenitel PAVA system. It provides comprehensive monitoring capabilities covering processors, power supplies, and circuits. Notably for un-energised DC circuits, the BDU01 includes end-of-line open,

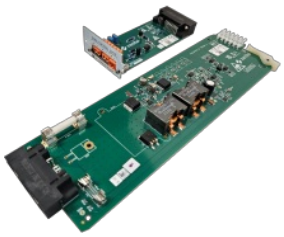
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short, and earth leakage surveillance. When the circuits are energised, the system intelligently monitors the pre-configured load. Any detected faults are reported back to the host Audio Router and categorised in compliance with the requirements of the EN 54-16 standard.

Accessories



V2000-POK01

Power Output Card Kit for V2000 or INTEGRA Frame

Item Number: 1200550032

Used With



VIPEDIA-12-NET

PAVA Audio router with network card

Item Number: 1200100012



VIPEDIA-12-PRO

PAVA Audio router with network card - Dante Enabled

Item Number: 1200100121



INTEGRA-00

Wall Mount PAVA System (0 amp channels pre installed)

Item Number: 1200300000



INTEGRA-03

Wall Mount PAVA System (3 amps)

Item Number: 1200300030

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INTEGRA-05

PAVA Wall Mount System (5 amp channels pre installed)

Item Number: 1200300050



INTEGRA-07

PAVA Wall Mount System (7 amp channels pre installed)

Item Number: 1200300070



INTEGRA-10

PAVA Wall Mount System (10 amp channels pre installed)

Item Number: 1200300100



INTEGRA-PRO-00

Wall Mount PAVA System (0 amp channels pre installed) - Dante® enabled

Item Number: tbd



INTEGRA-PRO-03

PAVA Wall Mount System (3 amp channels pre installed) - Dante® Enabled

Item Number: 1200300031



INTEGRA-PRO-05

PAVA Wall Mount System (5 amp channels pre installed) - Dante® Enabled

Item Number: 1200300051



INTEGRA-PRO-07

PAVA Wall Mount System (7 amp channels pre installed) - Dante® Enabled

Item Number: 1200300071



INTEGRA-PRO-10

PAVA Wall Mount System (10 amp channels pre installed) - Dante® Enabled

Item Number: 1200300101

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