

Specifications

VLR 102, VLR 102SR

Audio

Tone control On or off, switch selectable

Audio input

Number/signal type

VLR 102 1 infrared from VoiceLift microphone
1 mono, balanced, aux/mix input
1 mono, balanced, from optional VLR 102SR

VLR 102SR 1 infrared from VoiceLift microphone
1 mono, balanced, from optional VLR 102SR

Connectors

VLR 102 (1) 3.5 mm captive screw connector, 3 pole, for aux input
(1) RJ-45 female for input from a VLR 102SR

VLR 102SR (1) RJ-45 female for input from a VLR 102SR

NOTE: 0 dBu = 0.775 Vrms, 0 dBV = 1 Vrms, 0 dBV ≈ 2 dBu

Audio output

Number/signal type 1 mono, balanced, line level

Connector (1) RJ-45 female (shared with power input and some serial communication)

Nominal level -10 dBV (316 mVrms)

IR sensor

Receiver type Superheterodyne IR sensor

Photodiodes 6, radially spaced

Receiving frequencies 2.3 MHz, 2.8 MHz

Operating distance 35' (10.6 m) maximum, line-of sight, typical

Reception area 1600 square feet (148.6 square meters) per VLR 102

Reception angles 360° horizontal, 60° vertical

Control — host ports, VLR 102 only

Serial host port 1 RS-232, 3.5 mm captive screw connector, 3 pole

Baud rate and protocol 38400 baud, 8 data bits, 1 stop bit, no parity

Serial control pin configuration 1 = Tx, 2 = Rx, 3 = GND

Control — relay output, VLR 102 only

Number/type 1 normally open

Connector (1) 3.5 mm captive screw connector, 2 pole

Pin configuration NO = normally open, C = common

Contact rating 24 V, 1 A

Control — contact closure (VLR 102 only)

Number/type 1 contact closure input

Connector (1) 3.5 mm captive screw connector, 2 pole

Pin configuration IN = contact input, GND = GND

General

| | |
|----------------------------|--|
| Power | 12 VDC supplied by an Extron PoleVault® amplifier |
| Power input requirements | |
| VLR 102..... | +12 VDC, 0.25 A |
| VLR 102 SR..... | +12 VDC, 0.10 A |
| Temperature/humidity | Storage: -40 to +158 °F (-40 to +70 °C) / 10% to 90%, noncondensing Operating: +32 to +122 °F (0 to +50 °C) / 10% to 90%, noncondensing |
| Cooling..... | Convection, no vents |
| Mounting..... | Mountable to a ceiling or wall |
| Enclosure type..... | High impact plastic |
| Enclosure dimensions | 3.4" H* x 4.75" diameter (8.6 cm H* x 12.1 cm diameter) *Height is measured out from the mounting surface. |
| Product weight | |
| VLR 102..... | 0.8 lb (0.4 kg) |
| VLR 102 SR..... | 0.7 lb (0.3 kg) |
| Shipping weight..... | 1 lb (1 kg) |
| Vibration..... | ISTA 1A in carton (International Safe Transit Association) |
| Regulatory compliance | |
| Safety | c-UL, UL |
| EMI/EMC | FCC Class A |
| Environmental..... | Complies with the appropriate requirements of RoHS and WEEE. |
| Warranty..... | 3 years parts and labor |

NOTE: All nominal levels are at ±10%.

NOTE: Specifications are subject to change without notice.

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