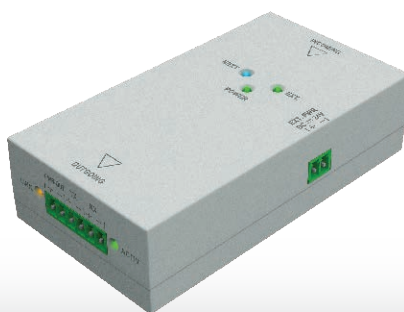




DLR-01



DLR-01 - Digital Loop Repeater

The DLR-01 is a digital loop repeater which is designed for highly secured demand with bi-directional communication. If the control signal of remote units in a redundant loop/daisy-chain wiring is not strong enough, the DLR01 can extend the communication distance of remotes 250m longer. The DLR-01 has a 24VDC external power input connector (max. 3A), providing local power for the remotes by using the power adapter. The selection of external power adapter on DLR-01 is varies with system:

- BOUTIQUE & Senator 900: provide local power for remotes via 27VDC power adapter
- OCTO Jr & UAP G3: provide local power for remotes via 24VDC power adapter
- DCA660: power adapter is not required, DLR-01 is used for extending the communication distance between multiple DCA660 amplifiers only

CONTROLS AND INDICATORS

- Top panel
 - Power LED
 - NEXT LED: Light up when DLR-01 provides power to the [OUTGOING] output
 - EXT. LED: Light up when DLR-01 receives 24VDC external [power from [Ext PWR]
- Side panel
 - EXT. PWR connector: 24VDC external power input (max. 3A)
- Front & rear panel
 - LINK LED: Light up when DLR-01 receives the data
 - ACTIV LED: Light up when the communication of TX & RX is stable
 - PWRIN/PWROUT connector: 24VDC power in/out connector
 - Transmitter interface
 - Receiver interface
 - * LINK LED & ACTIV LED is available for DL-R01 only
- Bottom panel
 - DIP switch: See the following table and set the DIP switch based on the type of system/product. The DIP switch setting is available for DLR-01 only

DIP Switch Setting				
Applicable Products /System	BTQ OCTO Jr UAP G3	N/A	Senator 900	DCA660

ELECTRICAL

- DC power input: 21 VDC ~ 29 VDC
- Power consumption: 0.8W

NETWORK

- Extend max. communication distance between remote units: 250m (shielded cable)

CERTIFICATIONS AND APPROVALS

Europe	Voice Alarm	EN54-16 (1438-CPR-0947)
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MECHANICAL

- Dimensions (W x H x D): 56 x 27 x 102 mm (2.2 x 1.1 x 4 inch)
- Weight: 0.2 kg (0.4 lbs)
- Colour: RAL 7035

ENVIRONMENTAL

- Operating temperature: -5 °C ~ +55 °C (+23 °F ~ +131 °F)
- Storage temperature: -40 °C ~ +70 °C (-40 °F ~ +158 °F)
- Relative humidity: 20 % to 95 %
- Air pressure: 600 to 1100 hPa
- Heat dissipation: 2.73 BTU/hr

ORDERING INFORMATION

- DLR-01: Digital Loop Repeater
- PSU65-27: Power Supply/Wire/100~240V/DC 27.5V/2.36A
- PTR-2405: Power Supply/Wire/100~240V/DC 24V/0.5A
- PTR-2415: Power Supply/Wire/100~240V/DC 24V/1.5A

* The DLR-01 is not shipped with the power adapter, please order the power adapter if necessary.

* The selection of power adapter depends on the total power consumption of remote console(s) which requires to be powered by DLR-01, and also varies with the system (e.g. use PSU65-27 model for BOUTIQUE system).



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