

Model ER1551U (for use with 2-wire UTP cable)

Pairs with: ET1551U and ET1551UM Transmitters

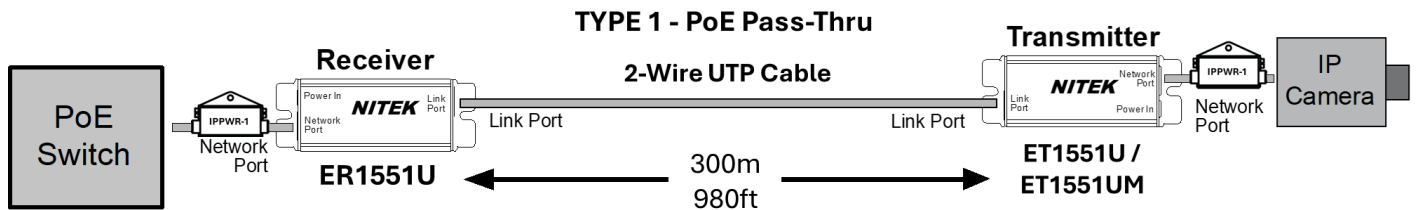
Compatible with: IPPWR, PS48, and WP1325 accessories

Installation and Operation Manual



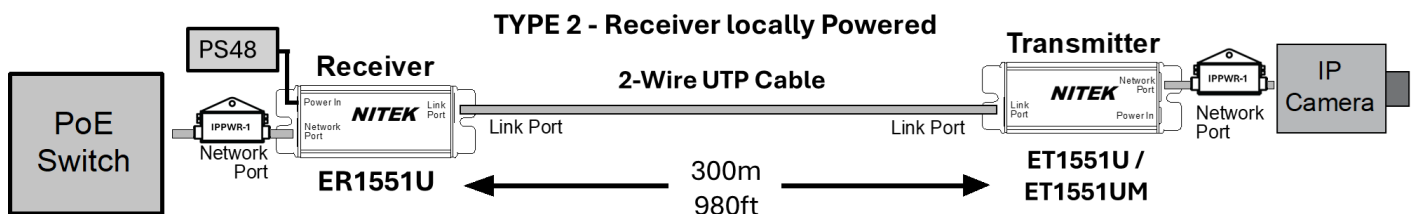
Reduce risk of fire or electrical shock. Do not expose this product to rain or moisture.

All installation diagrams include manufacturer recommended surge protection (such as the IPPWR-1) on both ends of the transmission line. Basic installation does not require surge protection for operation.



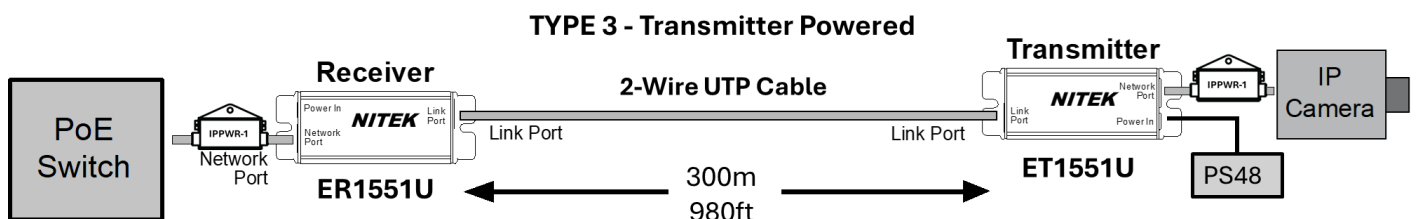
TYPE 1 Installation— PoE Pass-Thru configuration

- Connect the PoE Switch to the Network port on the ER1551U.
- Connect the 2-wire output to the UTP transmission line.
- Connect the transmitter device (ET1551U/ET1551UM) to the opposite end of the transmission line.
- Once connected, the device will automatically initialize and establish the duplex communication link.



TYPE 2 Installation— PoE Injection at Receiver

- Connect the PS48 power supply to the power-in port on the ER1551U Receiver.
- Follow TYPE 1 Installation procedure.



TYPE 3 Installation— PoE Injection at Transmitter

- Connect the PS48 power supply to the power-in port on the ET1551U Transmitter.
- Follow TYPE 1 Installation procedure.

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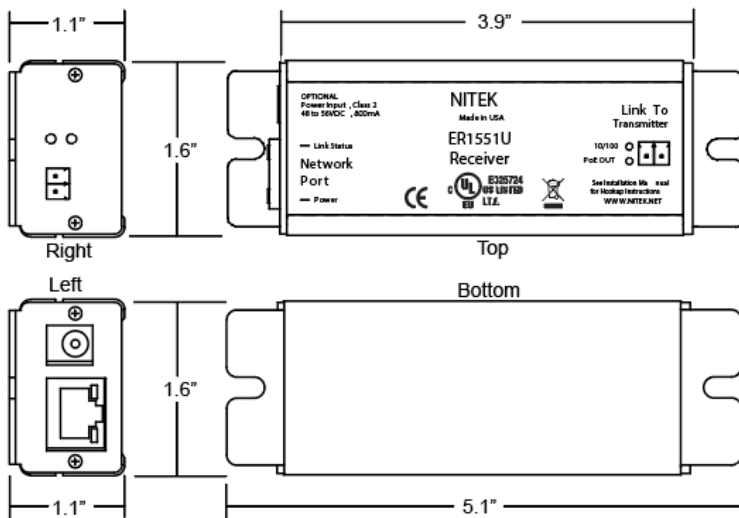
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TROUBLESHOOTING

1. Check status LED's (see reference table below)
2. Ensure cables are not damaged and verify signal continuity
3. Ensure that cables are properly terminated and securely connected
4. Verify the connected PoE device is independently functional
5. For additional support, contact customer service at the phone number or email provided.

LED INDICATORS				
Connector	LED	OFF	ON	FLASHING
Network Port	Power	No power	Power Good	
	Link Status	No Ethernet Link	Ethernet Link Good	
Link Port	PoE Out	No PoE Power Out	PoE Power Good	
	10/100	No Link	100Mb	10Mb

Transmission Rates	
Distance	Data Rate
980ft/300m	100 Mbps
1640ft/500m	10 Mbps



Transmitter as PoE Injector*	
Distance from Network Port	PoE Device Power Available
30ft/10m	33 watts
325ft/100m	26 watts
*Results with 48VDC power to the Transmitter optional Power Port	



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