ENFORCER®

NR-P101FQ

PoE Repeater

Manual

- Extends power and data beyond the normal limit of 328ft (100m)
- Compliant with standard PoE IEEE 802.3af
- Installs on Cat5e/6 4-pair UTP cable with RJ45 jacks
- Supports 10/100/1000 BASE-T transmission rates
- Passive operation – no external power required
- Easy plug-and-play installation
- Auto-sensing for detecting PoE or non-PoE devices
- Built-in LED status indicators
- Sealed and fanless for increased reliability
- Compact, wall-mountable for convenience

SECO-LARM® SLI   CE RoHS

ENFORCER PoE Repeater

Contents:

Introduction:

The ENFORCER NR-P101FQ PoE Repeater extends power and data an additional 394ft (120m) for a maximum range of up to 1,181ft (360m) when using two PoE Repeaters, thus eliminating the need for additional switches, hubs, and expensive fiber optic installations. The NR-P101FQ is compliant with standard PoE IEEE 802.3af. The NR-P101FQ is simple to install with no external power source required, and no set up configuration needed.

Parts List:

1x PoE Repeater

4x Screws
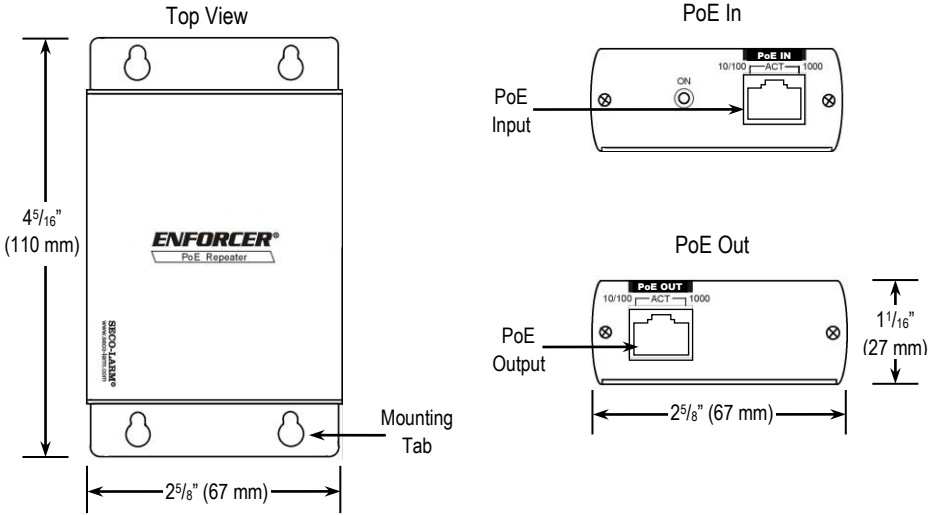
1x Manual

4x Plastic Wall Anchors

Specifications:

Connector	In	RJ45	
	Out	RJ45	
Power consumption	Standby	1.1W (23mA)	
	@10Mbps	1.44W (30mA)	
	@100/1000 Mbps	1.92W (40mA)	
Transmission Range	Single repeater	Up to 787ft (240m)*	
	Two repeaters	Up to 1,181ft (360m)*	
Max Device Power Range with PoE switch		1st PoE Repeater	2nd PoE Repeater
		8.58W at 787ft (240m)*	4.21W at 1,181ft (360m)*
PoE		IEEE 802.3af Standard, 48V, 12.95W	
Data Link		Pin 1/2，3/6，4/5，7/8	
Power Link		Pin 1/2 (+)，3/6 (-) End-Span	
Material		Aluminum	
Operating temperature		32°~131° F (0°~55° C)	
Dimensions		2$5/8$" x 4$5/16$" x 1$1/16$" (67 x 110 x 27 mm)	
Weight		6.4 oz. (180g)	

*The maximum distances are typical for installations using 24AWG CAT5 cable or better. Actual limits depend on cable quality and POE device characteristics.
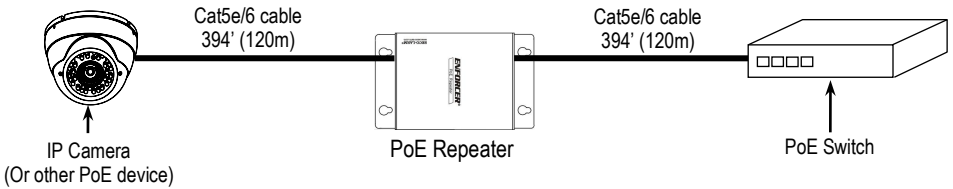
LED Function:

		On	PSE send power
LED Indicators	Power (Green)	Off	PSE no-power
	Data Port (Yellow/Green)	Yellow ON	1000 Mbps link
		Yellow FLASHING	1000 Mbps Activity
		Green ON	10/100 Mbps link
		Green FLASHING	10/100 Mbps Activity
		Off	No Link

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Overview:

Top View

PoE In

PoE Input

PoE Out

PoE Output

$4^5/_{16}$"
(110 mm)

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PoE Repeater

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Mounting Tab

$1^1/_{16}$"
(27 mm)

$2^5/_8$" (67 mm)

$2^5/_8$" (67 mm)

Installation:

Extending PoE using single repeater:

Cat5e/6 cable
394' (120m)

Cat5e/6 cable
394' (120m)

IP Camera
(Or other PoE device)

PoE Repeater

PoE Switch

Extending PoE to maximum distance:

Cat5e/6 cable
394' (120m)

Cat5e/6 cable
394' (120m)

Cat5e/6 cable
394' (120m)

IP Camera
(Or other PoE device)

PoE Repeater

PoE Repeater
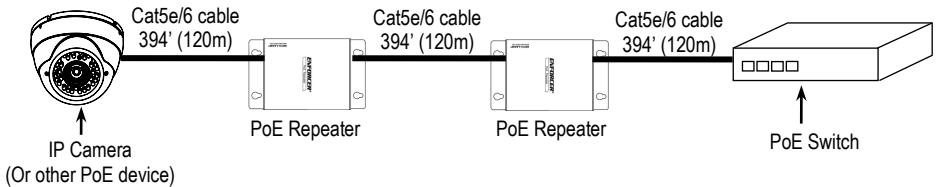
PoE Switch

Troubleshooting:

IP device doesn't function correctly	• Ensure that the IP camera/PoE device is functioning by plugging it directly into the PoE switch, computer, etc. • Double-check that the cables were connected properly. • Run a continuity test on all wires in the cable • Equipment at both ends must be at same link speed, 10BASE-T with 10BASE-T, 100BASE-T with 100BASE-T • Replace with a higher-grade cable for better performance. • Ensure that the cable lengths are within the allowable range and consistent with the remote PoE device power consumption and reduce cable length as needed • With 1000BASE-T, power consumption is greater, so no more than 2 POE repeaters may be used (Power consumption of POE equipment must under 7W)

Also Available from SECO-LARM®:

PoE Surge Protector	Ethernet over Coax	Ethernet Extender	Ethernet over Coax with PoE
IPV-P188Q	**IPB-A1200Q**	**IPB-A1100Q**	**NE-S103CQ**

IMPORTANT: Users and installers of this product are responsible for ensuring this product complies with all national, state, and local laws and statutes related to monitoring and recording audio and video signals. SECO-LARM will not be held responsible for the use of this product in violation of any current laws or statutes.

WARNING: Incorrect mounting which leads to exposure to rain or moisture inside the enclosure could cause a dangerous electric shock, damage the device, and void the warranty. Do not open the case of this device, as there are no field-serviceable components inside.

LIMITED WARRANTY: This SECO-LARM product is warranted against defects in material and workmanship while used in normal service for one (1) year from the date of sale to the original customer. SECO-LARM's obligation is limited to the repair or replacement of any defective part if the unit is returned, transportation prepaid, to SECO-LARM. This Warranty is void if damage is caused by or attributed to acts of God, physical or electrical misuse or abuse, neglect, repair or alteration, improper or abnormal usage, or faulty installation, or if for any other reason SECO-LARM determines that such equipment is not operating properly as a result of causes other than defects in material and workmanship. The sole obligation of SECO-LARM and the purchaser's exclusive remedy, shall be limited to the replacement or repair only, at SECO-LARM's option. In no event shall SECO-LARM be liable for any special, collateral, incidental, or consequential personal or property damage of any kind to the purchaser or anyone else.

NOTICE: The information and specifications printed in this manual are current at the time of publication. However, the SECO-LARM policy is one of continual development and improvement. For this reason, SECO-LARM reserves the right to change specifications without notice. SECO-LARM is also not responsible for misprints or typographical errors.

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