


Hacousto Holland bv Industrieweg 87 2651BC Berkel & Rodenrijs		
4E-RPI POE-DIN power adapter	Author:	AJH

SUMMARY

This document describes the basic characteristics for the L-NET line power injector.

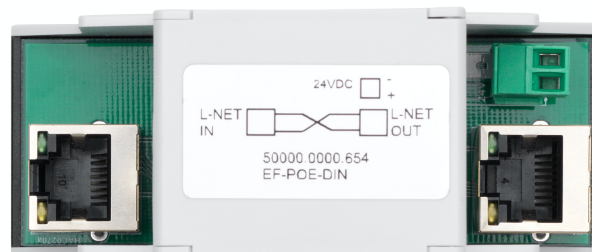
REVISION AND APPROVAL

Rev.	Date	Nature of Changes	Approved By
01	30-07-2020	Original document	AJH
02			
03			

1. What is the POE-DIN?

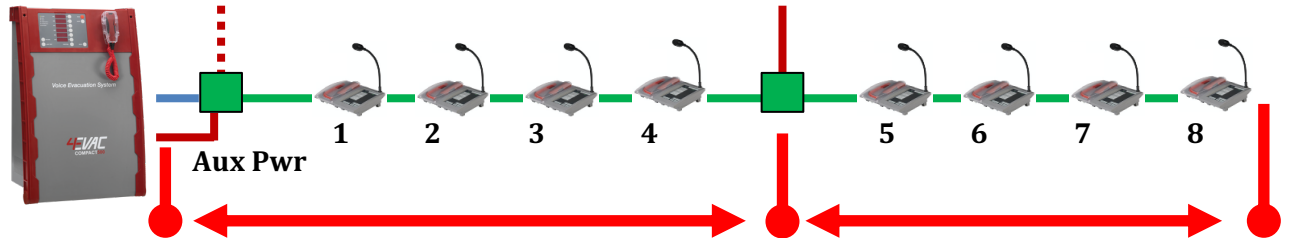
The POE-DIN adapter provides DC power injection to the L-NET. The POE-DIN comes in a small DIN-rail case with 2-pin phoenix power entry. (Power can be drawn from the DAU500 auxiliary supply). The POE-LINE isolates the incoming L-NET DC from central equipment and mixes the injected DC into the out-going L-NET line.

The POE-LINE delivers 24 VDC (Depending on connected adapter) with a maximum of 1A into the out going L-NET cable supporting hardware remote system devices.



L-NET DIN-RAIL DC-power injector

2. Application examples



AWG26: 53m
AWG24: 85m
AWG22: 136m

AWG26: 53m
AWG24: 85m
AWG22: 136m

No. of Devices	Max Overall Distance @ AWG26 (13.39ohms / 100m)	Max Overall Distance @ AWG24 (8.42ohms / 100m)	Max Overall Distance @ AWG22 (5.24ohms / 100m)	Method of Power	Current Draw
1	250m	250m	250m	From L-NET	180mA
2	186m	170m	250m	From L-NET	360mA
3	107m	170m	250m	Power injector	540mA
4	71m	113m	182m	Power injector	720mA
5	53m	85m	136m	Power injector	900mA

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3. Technical specifications

POE-DIN L-Net power injector	
Power adapter specifications	24VDC – max. 1000mA
Maximum L-Net devices load	See above drawing
Maximum L-Net devices	See above drawing
Mechanical	
Dimensions (HxWxD)	9 x 3.6 x 60. cm
Weight	70 g
Housing material	ABS
IP Rating	IP 30
Mounting	DIN rail
Operation conditions	
Temperature	10 – 40 °C
Relative humidity	max. 90% (non condensing)
Storage temperature	-40 – 70°C

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M A D E I N T H E N E T H E R L A N D S

4EVAC is a trade name of:

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