

**PD134D SINGLE CHANNEL TRAFFIC DETECTOR**  
**TECHNICAL DATA - PD134D**

Self-tuning range: 20-1500pH range:  
Sensitivity: Four step adjustable on face-plate  
High: 0.02% L/L  
Medium High: 0.05% L/L  
Medium Low: 0.1 % L/L  
Low: 0.5% L/L

Frequency: Four step adjustable on face plate,  
12- 80kHz (frequency determined by loop geometry)

Output: 2 output relays:  
Configuration: Relay 1 = Presence output and Relay 2 = Fault output  
Response Time: Turn on /Turn off is 60ms  
Presence time: 4-position Presence selection on faceplate  
1 second, 4 minutes and 40 minutes or indefinite (Approx. 1 hour for 3% DL/L)

Delay mode: 4-position Delay selector on faceplate 6  
0 second, 10 seconds, 20 seconds and 30 seconds

Indications: The following face-plate indications are provided:  
Red LED – power and Green LED - channel indicator  
1. Tuning-on steady followed by flashing frequency count (X10kHz)  
2.Undetect -off  
3. Detect - on steady  
4. Fault - on with short off

Protection: Loop isolation transformer, zener diode clamping on loop inputs and gas  
discharge tube protection

Power: 240V AC  $\pm$  15% 48-60Hz  
Options: 12-24V AC/DC  $\pm$  15% 1.5VA max @ 230V  
Output relays: 5A @ 230V AC  
And rating: Change-over contacts (fail safe)  
Fault relay: 5A @ 230V AC Change-over contacts  
Operating temperature range: -40°C to +80°C

**Mechanical detail**

Material: High heat ABS blend 76 x40x78mm  
Dimensions: 76 X 40 X78 mm  
Mounting: Self or DIN-rail socket  
Connector: Single rear mount 11-pin sub-marginal (86CP11)  
Option: 1 metre flying lead

**11-pin connector wiring**

Pin	designation
1	Live 230VAC 50/60 Hz
2	Neutral OR 12V-24V AC/DC
3	Fault Relay Fault Relay
4	Fault Relay Common contact
5	Presence Relay Normally Open contact
6	Presence Relay Common contact
7	Loop   Twist this
8	Loop   Pair
9.	Earth
10.	Presence Relay Normally Closed contact
11.	Faulty Relay Normally Closed contact

**ORDERING INFORMATION**

305FT0001	PD136D Nortech	240 VAC
301 FT0122	PD134D Nortech	12-24V AC/DC
301 FT0041	1 metre flying lead	Option
CTR 119090	11 pin Relay Base	Option

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