

# 3L-NP

## Liquid Leakage Non-Locating Detection System



3L-NP is a Liquid Leakage Non-Locating Detection System.



(Mounting: 4 Modules M36 DIN-Rail)

### General features of ELSA control panel - 3L-NP

- Maximum accumulated length of sensing cable : 60m
- Maximum accumulated length of jumper cable : 100m
- Sound Alarm : 80dB max. buzzer with silencing button
- Failsafe operation : ability to operate in loop installation; ability to detect/locate liquid leakage during cable break
- Time to detect Leak/Cablebreak : 3 seconds typical
- Liquid leak detection data : Typically 20mm in length of liquid (such as tap water) in full contact with sensing cable

### Environmental ratings

- Operating temperature : -10 to 50 degree C (indoor installation only)
- Storage temperature : -20 to 70 degree C
- Humidity : 5% to 95% non-condensing



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## Power requirements

- Power Supply : 230 +/- 15% VAC, 50/60 Hz
  - Optional Input : 115 VAC/50-60 Hz or 12 to 30 VAC/DC power input
  - Power consumption : 1 VA/0.75 W max.
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## Power relay switching characteristics

- Alarm dry contact : Operation - SPDT  
Switching current - 0.5A at 250 VAC; 1A at 30 VDC
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## Compliance to International safety standards:

- EMC emission : EN 61000-6-3(2001)-Electromagnetic compatibility. Generic emission standard for residential, commercial and light industrial environments.
  - EMC immunity : EN 61000-6-1(2001)-Electromagnetic compatibility. Generic immunity standard for residential, commercial and light industrial environments.
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## Characteristics and Performance of ELSA sensing cable - 3L-LS

- Cable diameter : 6.5 mm avg.
  - Continuity wires : White and Red insulated with flame-retardant polymer
  - Sensing wires : 2 x Black wires semi-conductive polymer
  - Carrier : Flame-retardant polymer material with greenish color in high visibility
  - Fire resistance : Non-flame propagating and self-extinguishing
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## Warranty

1 year (Limited Warranty)

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