



ELSA CONTROL PANEL 3L-NDP

3L-NDP is an Addressable Point Sensor for Liquid Leakage Detection System with common interface through Dry Contact and/or remote supervision RS485 Modbus (Mounting: 4 Modules MS36 DIN-Rail)

GENERAL FEATURES:

- Maximum accumulated length of sensing cable : 10m
- Maximum accumulated length of jumper cable : 300m
- 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, leak sensitivity is adjustable
- Multi-leak detection and location capability
- Remote supervision by RS-485 Modbus
- ASIC-based digital location principle (patent pending) with inherent temperature stability, zero-drift and very low power consumption

ENVIRONMENTAL RATINGS

Operating temperature : 0 to 40°C (indoor installation only)
Storage temperature : -20 to 70°C
Humidity : 5% to 95% non-condensing

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 : 3.5 VA/3 W maximum Power relays switching characteristics

POWER RELAYS SWITCHING CHARACTERISTICS

Alarm dry contact : Operation – SPDT
Switching current – 0.5 A at 250 VAC, 1A at 30 VDC

SERIAL COMMUNICATION INTERFACE

Physical support : RS485-two-wire, ESD and surge protected as per IEC 6100-4-5
Protocol : Modbus

COMPLIANCE TO INTERNATIONAL STANDARDS

EMC emission : IEC61000-6-3(2001) – Electromagnetic compatibility
Generic emission standard for residential,
commercial and light industrial environment

EMC immunity : IEC61000-6-1(2001) – Electromagnetic compatibility
Generic immunity standard for residential,
commercial and light industrial environment