



## ELSA CONTROL PANEL 3L-DP

3L-DP is a Liquid Leak Locating and Detection System with common interface through Dry Contact and/or remote supervision RS485 Modbus

### GENERAL FEATURES:

- Maximum accumulated length of sensing cable : 200m
- Maximum accumulated length of jumper cable : 300m
- Precision to locate leak location : +/- 1m or +/- 0.5%
- Redundancy : Fail-Safe Loop Back or Token Ring connection feature built-in. (continues to detect leaks even cable break at 1st meter of sensing cable).
- 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 : 10 – 240 VAC, 50/60 Hz  
Optional input : 12 to 30 VAC/DC power input (3L-ADP control panel is available)  
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

## MOUNTING AND DIMENSIONS

Mounting method : 4 MS36 DIN-Rail and/or with IP65 wall mount enclosure



### IP65 Enclosure Box

