ELSA CONTROL PANEL

3L-NDP

3L-NDP is an Addressable Point Sensor for Liquid Leak Detection System with common interface through Dry Contact and/or remote supervision RS485 Modbus

GENERAL FEATURES:

- Maximum accumulated length of sensing cable : 10m

- Maximum accumulated length of jumper cable : 300m

- 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

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We won't have the society if we destroy the environment. *American Scientist, Margaret Mead. 1901-1978*

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
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