

EARLY WARNING LIQUID LEAK SYSTEM

DESCRIPTION	TECHNICAL DATA
<u>1.General Features</u>	
Made	ELSA
Model	3L-NP
Precision to locate leak location	+/-1m or +/-0.5%
Maximum accumulated length of sensing cable	60m
Maximum accumulated length of jumper cable	100m
Sound Alarm	80dB max. buzzer with silencing button
System reset	One Single Push Button for Testing/Resetting the system (hold down button for 6 secs)
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
<u>2.Environment Ratings</u>	
Operating temperature	-10 to 50 degree C (Indoor installation only)
Storage temperature	-20 to 70 degree C
Humidity	5% to 95% non-condensing
<u>3. Power Requirement</u>	
Power Supply	230+/-15% VAC,50/60Hz
Optional input	115VAC/50-60Hz or 12 to 30VAC/DC power input
Power Consumption	1.0VA / 0.75W max

<u>4. Power Relays Switching characteristics</u>	
Alarm dry contact	Operation - SPDT, Switching current - 0.5A at 250 VAC, 1A at 30VDC
<u>5. Compliance to Internation Standards</u>	
EMC emission	IEC 61000-6-3(2001)- Electromagnetic compatibility, General emission standard for residential, commercial and light industrial enviroment
EMC immunity	IEC 61000-6-1(2001)-Electromagnetic compatibility, General immunity standard for residential, commercial and light industrial environment
<u>6. Characteristic and Performance of ELSA sensing cable -3L-LS</u>	
Cable diameter	6.5mm avg
Continuity wires	White and Red insulated with flame-retardant polymer
Sensing Wires	2x Black wires semi-conductive polymer
Carrier	Flame-retardant polymer material with greenish color in high visibility
Fire resistance	Non-flame propagating and self-extinguishing