

SUPERVISING OF EARLY WARNING LIQUID LEAK LOCATING SYSTEM

DESCRIPTION	TECHNICAL DATA
<u>1. General Features</u>	
Made	ELSA
Model	3L-SP
Dimension	220mm(W) x 145mm(L) x 55mm(H)
Maximum number of 3L-LP, 3L-AP and 3L-DP leak location panels	100 panels
Maximum accumulated length of sensing cable	200km
Maximum accumulated length of communication cable	3500m
Display	LCD with backlight of 4 x 20 English characters
Sound Alarm	90dB max. buzzer with silencing button
System Menu	Access to Event Log, System Reset, Language Change, Configuration Mode
Time to display leak / cablebreak from supervised panel	18 seconds typical
Supervised Panels Identification	By different name up to 35 characters
Panel Names Setup	Input by PC Software
Event Log	896 Time-stamped events stored in non-volatile memory. First in First out in case of overflow
Ingress Protection (IP)	Dust and Splash Proof IP65
<u>2. Enviroment 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	8 VA/6 W maximum
<u>4. Power Relays Switching characteristics</u>	
Trouble Dry Contact	Operation - SPDT, Switching current - 0.5A at 125 VAC, 1A at 30VDC
Liquid leakage dry contact	Operation - SPDT, Switching current - 0.5A at 125 VAC, 1A at 30VDC
<u>5. Supervising Channel</u>	
Physical Support	Two-wire RS485,ESD and surge protected as per IEC 61000-4-5
Protocol	Modbus
<u>6. Serial Communication Interface to External Supervisor</u>	
Physical support	Two-wire RS485,ESD and surge protected as per IEC 61000-4-5
Protocol	Modbus
Network	GSM/ GPRS transmitter, TCP/IP, BACnet/IP, Profibus, LONworks
<u>7. Compliance to Internation Standards</u>	
EMC emission	IEC 61000-6-3(2001)- Electromagnetic compatibility, General emission standard for residential, commercial and light industrial environment
EMC immunity	IEC 61000-6-1(2001)-Electromagnetic compatibility, General immunity standard for residential, commercial and light industrial environment