



ELSA PANEL 3L-SP/AP

3L-SP/AP is an advance panel
of Early Warning Leak
Locating System

GENERAL FEATURES:

- Maximum accumulated length of sensing cable : 200m
- Precision to locate leak location : +/-1m or 0.5%
- Failsafe operation : Ability to operate in loop operation
Ability to detect liquid leakage during cable break
- Display : Permanent backlight with LCD of 4 lines x 20 English characters
- Sound Alarm : 90dB max. buzzer with silencing button
- System Menu : Password Access, System Reset, Configuration Mode
- Time to display Leak/Trouble : 18 seconds typical
- Liquid Leak detection data : Typically 20mm in length of liquid (e.g tap water) in full contact with sensing cable, leak sensitivity is adjustable
- Zone name setup : By PC-software (up to 35 characters)
- Mechanical dimensions : Rugged ABS UL-VO case of 222 x 146 x 55mm
- Ingress Protection : Dust-and splash-proof IP 65

ENVIRONMENTAL RATINGS

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

POWER REQUIREMENTS

Power supply : 100-240 +/- 15% VAC, 50/60 Hz
Optional input : 12 to 30 VAC/DC power input
Power consumption : 5 VA/4 W maximum

POWER RELAYS SWITCHING CHARACTERISTICS

Cable break/power failure by contact : Operation – SPDT
Switching current – 0.5 A at 250 VAC, 1A at 30 VDC

Liquid leakage 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 61000-4-2
Protocol : Modbus
Optional GSM/GPRS transmitter interfacing
Optional Modbus over TCP/IP (allow world-wide remote supervision through Internet connection)
Optional BACnet/IP interface
Optional Profibus interface
Optional LONworks interface

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) –
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3L-SP/AP DIMENSIONS

