



ELSA CONTROL PANEL 3L-SP/AP

3L-SP/AP is an advanced control 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%
- Fail-safe 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 (eg: 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

RELAY SWITCHING CHARACTERISTICS

Cable break/power failure dry 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 IEC61000-4-2
Protocol	: Modbus/RTU
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) – Electromagnetic compatibility Generic immunity standard for residential, commercial and light industrial environment

3L-SP/AP DIMENSIONS

