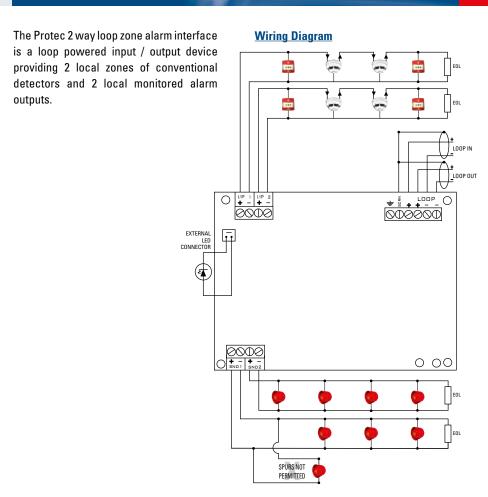


6000/2LPZA Loop Powered Dual Zone Alarm Interface

- 2 x Monitored Detection Zones
- 2 x Monitored Alarm Outputs
- Loop Powered
- DIN Rail Mounted
- Integral Short Circuit Isolator
- Protec Algo-Tec 6000 Protocol





Technical Specification

Loop protocol Protec Algo-tec[™] 6000 MX1

Loop isolator fitted Yes, on board (consult Protec DEL2110 for details)

Loop voltage range 18 to 28V peak loop

Number of loop addresses used 2 maximum, user and build configurable

Environmental operational limits -10 to 50°C (maximum 95% RH no condensation or icing)

Loop quiescent current (24V loop peak) 1.6mA + zone end of line current + zone loading

Loop alarm current (average) 15mA + zone end of line current + zone loading + sounder current (max. 50mA ± 2mA)

Zone short circuit current (24V) 26mA peak ± 2mA

Zone end of line requirements (I/P 1 & I/P 2) Resistive - 8.2k $\pm 5\%$ ¼W, Capacitive - 100 μ F $\pm 20\%$ in series with 22 Ω $\pm 5\%$ ¼W

Input cabling requirements Maximum cable resistance 6Ω per conductor

Maximum cable capacitance 0.2µ F between cable conductors

Zone quiescent current 500µ A maximum (10 Protec 3000 detectors per zone)

Zone reset time 2 seconds, with active zone discharge

Manual Call Point requirements Must be fitted with a series 330Ω or 180Ω resistor

Zone short circuit thresholdBelow 5% of supply voltageZone fire thresholdBelow 70% of supply voltageZone resistive open circuit thresholdAbove 92% of supply voltage

Sounders supported Protec 3000 series

Sounder circuit end of line $10k\Omega \%W \pm 5\%$

Sounder circuit cable requirements Maximum cable resistance depends on Volt drop calculations

Maximum cable capacitance 0.1µ F between cable conductors.

 Sounder short circuit fault threshold
 Below 2kΩ

 Sounder open circuit fault threshold
 Above 18kΩ

 Sounder current limit (maximum)
 $50mA \pm 2mA$

Weight 245g (including din rail housing, no backbox, 4 way build)

LED IndicatorUse only high brightness LED (Protec stock code: NK 02-676-46)



Company Policy is one of continuous improvement, we reserve the right to change specification without prior notice