

Technical Specifications: -

Sl.No	Particulars	Technical Specification Requirement
1	Name of Item	Fire alarm panel
2	Scope of work	Supply, Installation, commissioning, programming and testing of fire alarm panel.
3	Device loops	1 loop, expandable to 4, Class A or B (Styles 4, 6, 7), each loop supporting up to 250 device addresses (125 detectors and 125 modules max.). Addresses 1 to 125 are for detectors and addresses 126 to 250 are for modules Maximum T-taps/loop: 124
4	Notification appliance circuits	4 Class B (Style Y) or 2 Class A (Style Z) 6.0 A FWR total at 120/230 VAC 60 Hz 5.0 A FWR total at 230 VAC 50 Hz 2.5 A FWR each max. per circuit
5	Primary power	120 VAC, 60 Hz, 2.0 A max. 230 VAC, 50-60 Hz, 0.97 A max.
6	Base panel current standby	172 mA
7	Base panel current alarm	267 mA
8	Input zones	32 max.
9	Remote annunciator	8 drops max., RS-485 Class A or B Data line length: 4,000 ft. (1,219 m)
10	Operating voltage	24 VDC panel
11	Auxiliary power output circuit	Aux power 1: 500 mA, 24 VDC (1 A possible if you reduce total available NAC power by 500 mA) Aux power 2: 500 mA, 24 VDC Output: 28.3 to 21.9 VDC, special application
12	Loop circuit	Maximum loop resistance: 66 Ω Maximum loop capacitance: 0.5 μ F Communication line voltage: Maximum 20.6 V peak-to-peak Operating current (fully loaded loop) Stand by: 55 mA/45 mA Alarm: 125 mA/115 mA (not including two-wire smoke modules) Circuit current: 0.5 A max. Style 4, 6, and 7 wiring Max. resistance between isolators: Limited only by overall wire run lengths 64 isolators maximum per loop (total both isolator bases and modules)
13	Batteries	Type: Sealed lead acid Voltage: 24 VDC Charging current: 2.47 A max. Amp hour capacity: 26 Ah Standby operation: 24 hour or 60 hours Placement: Up to two 10 Ah batteries will fit in the iO64 control panel cabinet and two 18 Ah batteries will fit in the iO1000 control panel cabinet
14	SA-DACT dialer	Phone line type: One or two loop-start lines on a public, switched network Phone line connector: RJ-31/38X (C31/38X) Communication formats: Contact ID (SIA DC-05) Operating current Standby/Alarm: 41 mA Max.: 100 mA FCC registration number: GESAL01BSADACT Industry Canada Registration number: 3944A-SADACT Ringer equivalence number: 0.1B
15	Ground fault impedance	0 to 5 k Ω
16	Alarm contact	Form C N.O. 24 VDC at 1 A (resistive load)
17	Trouble contact	Form C 24 VDC at 1 A (resistive load)