



ELFA ENGINEER
FIRE & DUCTING WORK



FIRE ALARM SYSTEM

FIRE ALARM SYSTEM CONSISTS OF MANUAL PULL STATIONS, VISUAL/AUDIBLE ALARM DEVICES AND INTEGRATED AUTOMATIC DETECTION DEVICES; ADDRESSABLE SMOKE DETECTOR/SOUNDER BASES AND HEAT DETECTORS LOCATED IN INDIVIDUAL SLEEPING ROOMS, CORRIDORS, COMMON AREAS AND MECHANICAL SPACES.

FIRE ALARM CONTROL PANEL



THE PANEL RECEIVES INFORMATION FROM DEVICES DESIGNED TO DETECT AND REPORT FIRES, MONITORS THEIR OPERATIONAL INTEGRITY AND PROVIDES FOR AUTOMATIC CONTROL OF EQUIPMENT, AND TRANSMISSION OF INFORMATION NECESSARY TO PREPARE THE FACILITY FOR FIRE BASED ON A PREDETERMINED SEQUENCE. THE PANEL MAY ALSO SUPPLY ELECTRICAL ENERGY TO OPERATE ANY ASSOCIATED INITIATING DEVICE, NOTIFICATION APPLIANCE, CONTROL, TRANSMITTER, OR RELAY. THERE ARE FOUR BASIC TYPES OF PANELS: CODED PANELS, CONVENTIONAL PANELS, ADDRESSABLE PANELS, AND MULTIPLEX SYSTEMS..



SPRINKLER

PENDANT SPRINKLER HEADS ARE THE MOST COMMON HEADS FOR YOUR SPRINKLER SYSTEMS. THESE HEADS EXTEND FROM THE CEILING TO PROVIDE YOU WITH AS MUCH COVERAGE AS POSSIBLE FOR YOUR COMMERCIAL AND

RESIDENTIAL SPACE. WHEN THESE HEADS ARE ACTIVATED, A STREAM OF WATER IS SENT DOWNWARD ONTO THE DEFLECTOR, WHICH DISPERSES THE WATER THROUGHOUT THE ROOM.

Carbon Dioxide Trolley



“KANEX” 6.5 KG CO₂ HIGH PRESSURE TROLLEY MOUNTED FIRE EXTINGUISHER, FILLED WITH CO₂ GAS AS PER IS 15222, GROSS WEIGHT 21 KG, EMPTY WEIGHT 14.5 KG, CONTROL DISCHARGE MECHANISM FITTED WITH 1 METER WIRE BRAIDED HOSE & FLAT HORN WITH DIFFUSER NOZZLE FOR DISPERSED DISCHARGE OF CO₂, DISCHARGE TIME 20 SEC, AVERAGE DISCHARGE IS 96%, APPLICABLE ON CLASS B, C AND ELECTRICALLY STARTED FIRE, INTERNAL COATING IS NOT APPLICABLE & EXTERNAL COATING IS OF ENAMEL SPRAY PAINTING, VALVE CONFIRM TO IS 3224 ISI MARKED, CO₂ CYLINDER CONSTRUCTION: HOT SPINNING BY SEAMLESS PIPES & BEARING ISI MARK, BODY CONFIRMS TO IS 7285 AND PESO APPROVED, EXTINGUISHERS CONFIRMED TO IS 2878:2004 AND ISI MARKED.

SOUNDER



A **FIRE ALARM** IS AN ELECTRONIC **SOUNDER** OR A BELL. THE **ALARM** MAKES A LOUD, HIGH PITCHED SOUND TO NOTIFY PEOPLE THAT THERE IS A **FIRE** IN THE BUILDING. THE **SOUNDERS** CAN BE PROGRAMMED TO SOUND DIFFERENT TONES.

SMOKE DETECTOR



A **SMOKE DETECTOR** IS A DEVICE THAT SENSES SMOKE, TYPICALLY AS AN INDICATOR OF [FIRE](#). COMMERCIAL SECURITY DEVICES ISSUE A SIGNAL TO A [FIRE ALARM CONTROL PANEL](#) AS PART OF A [FIRE ALARM SYSTEM](#), WHILE HOUSEHOLD SMOKE DETECTORS, ALSO KNOWN AS **SMOKE ALARMS**, GENERALLY ISSUE A LOCAL AUDIBLE OR VISUAL [ALARM](#) FROM THE DETECTOR ITSELF OR SEVERAL DETECTORS IF THERE ARE MULTIPLE SMOKE DETECTORS INTERLINKED.

Co2 Size From 2 kg & 6 kg



ONE OF THE BEST **CO2** REGULATORS, CAN BE USED WITH ANY **SIZE CO2** CYLINDERS, MADE WITH 100% BRASS, WITH FINE ADJUSTMENT OF **CO2**. ... (**CO2** CYLINDER 2 KG + **CO2** REGULATOR WITH DUAL GAUGE + **CO2** CONVERTER 4 MM + **CO2** PIPING TRANSLUCENT (6 FEET) + **CO2** CHECK VALVE PLASTIC + **CO2** BUBBLE COUNTER.

HOSE REEL WITH CABINET



FIRE CABINET IS DESIGNED FOR THEFT AND VANDALISM PROTECTION IN PUBLIC AREAS AND BUILDINGS TO SAFELY STORE FIRE EQUIPMENT SUCH AS FIRE HOSE RACK ASSEMBLY, FIRE HOSE REEL AND FIRE EXTINGUISHER. ... FIRE CABINETS ALSO HELP TO PROTECT THE EQUIPMENT INSIDE FROM DIRT AND RUBBISH.

HYDRANT FIRE PUMP



FIRE FIGHTING HYDRANT SYSTEMS ARE THE MOST COMMONLY USED SYSTEMS, IN MANY RESIDENTIAL AND INDUSTRIAL PROJECTS, THE FIRE HYDRANT SYSTEM. SUCH IS THE POWER OF THE FIRE HYDRANT SYSTEM THAT WATER CAN BE SHOT RIGHT UP TO 8 FLOOR, DIRECTLY INTO THE FIRE.



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