FIRE HOUSE KITCHEN CONTROL / OUTDOOR GRILL

CANADIAN GAS SAFETY FIREHOUSE CONTROL / SAFETY SOLUTION GUIDE

The Merlin range of control panels offer a perfect control solution for firehouse protection.

On / off keyed authority over the gas supply to the kitchen range, fire call annunciation signal shuts down gas supply requiring on / off reset. Fire alarm and remote panic button also de-energizes gas supply to kitchen and requires on / off reset.

Locate panel in the kitchen area, accessible to employees and end users. Locate remote panic buttons at alternative egress points. Locate solenoid as per drawings. Solenoid valves are UL listed, 110-120vac normally closed safety shut off type.

Additional services such as electric power to kitchen range, electrical power to kitchen receptacles and outdoor gas fired grills can all be controlled by a single controller via electrical contactors or additional solenoids.

Please contact CGS for more additional design solutions.

Each Merlin panel also comes with a built in time-out function which can be utilized to shut off the kitchen after 2, 4 or 8hours, or it can be disabled.

Each panel provides an advisory output signal for F.A.C.P. or BAS/BMS systems.

Materials List.

Merlin 1000Si Single Output Control Panel Merlin 1000S+i Dual Output Control Panel Merlin 500S Single Output Remote Control Unit

Optional combustible Gas Detector CGSNGTFT Optional Carbon Monoxide Detector (CO) CGSCOTFT

CGSFMK - Flush Mount Kit 1000 range CGSFMK500 - Flush Mount Kit 500 range

CGSEPOTW - Remote Emergency Shut Off Button
CGSEPOTWWM - Remote Weather Proof Outdoor Emergency Shut Off Button

Gas Valve - 120vac Normally Closed 0-2PSI - Size Specific GSV12 1/2"
GSV34 3/4"
GSV1 1"
GSV114 1+1/4"
GSV112 1+1/2"
GSV2 2"
GSV212 2+1/2"

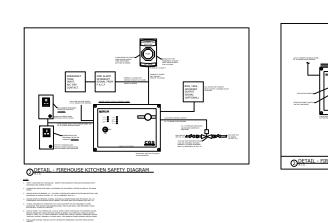
Electrical Control

GSV3 3"

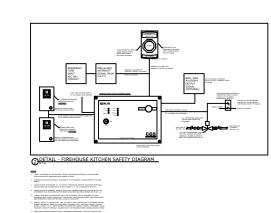
CGSCON4P20ANO - Electrical Contactor - 4pole 20amp 120vac CGSCON4P50ANO - Electrical Contactor - 4pole 50amp 120vac

CGSCONENC10104 - Electrical Contactor Enclosure 10x10x4in

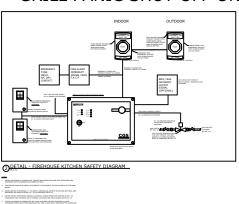
KITCHEN RANGE GAS ONLY



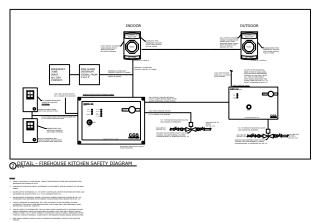
KITCHEN RANGE GAS AND RANGE ELECTRICS



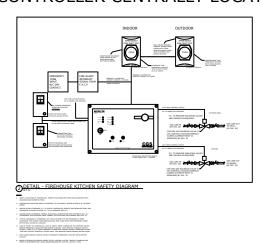
KITCHEN RANGE GAS, OUTDOOR GRILL PANIC SHUT OFF ONLY

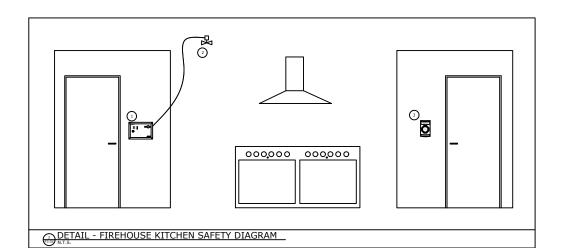


KITCHEN RANGE GAS, OUTDOOR GRILL INDEPENDENT CONTROL, INTEGRATED SHUT-OFF



INDEPENDENT CONTROL OF TWO GAS SUPPLIES. CONTROLLER CENTRALLY LOCATED

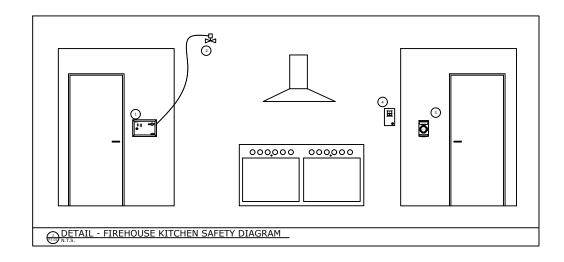




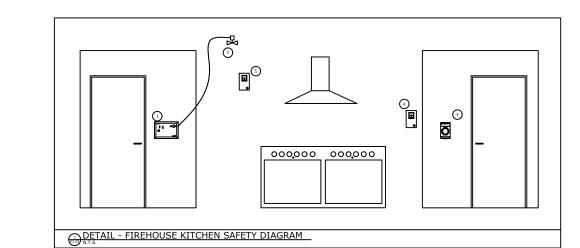
PROVIDE GAS CONTROL PANEL WITH 110V OUTPUT TO GAS VALVE. MOUNT PANEL SUCH THAT THE BOTTOM EDGE IS 45IN A.F.F. USING FLUSH MOUNT BRACKET AND TRIM. PANEL SHALL RECEIVE INPUTS FROM REMOTE PANIC BUTTON, FIRE ALARM AND BUILDING ANNUNCIATION PANEL. GAS RESTRICTED TO USER VIA AUTHORITY KEY SWITCH. GAS SHAIL SHILT DOWN IPON PANIC. FIRE ALARM AND

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- WHERE SHOWN ON DRAWINGS PROVIDE TWIST RELEASE REMOTE PANIC BUTTON WITH RED BUTTON IN A YELLOW POLYCARBONATE CASE. PROVIDE BUTTON WITH CLEAR FLIP UP COVER. BUTTON SHALL BE LABELED "EMERGENCY GAS SHUT OFF. MOUNT BUTTON IN DEEP ELECTRICAL BOX AT 48IN A.F. F. WIRE BUTTON BACK TO GAS CONTROL PANEL VIA 2# 22AWG CABLE IN A NORMALLY CLOSED LOOP. WIRE ADDITIONAL BUTTONS IN SERIES. BASIS OF DESIGN CGS-EGOTW



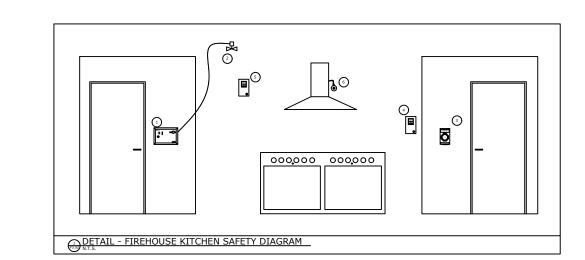
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