

San Francisco Remote Fill System

The San Francisco Remote Fill system is furnished with an additional common alarm light and provision for two stage alarming in accordance with SFFD requirements. The matching control panel is furnished with the two form C dry contacts required by the San Francisco Fire Department.



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The remote fill system consists of a NEMA 4 locking remote fill enclosure and a matching NEMA 4 remote fill control panel. The remote fill enclosure may be flush or surface mounted or free standing with an optional rack. The unit is furnished complete with integral alarm light, horn, silence and fill enable switches.

17504 Murphy Parkway
Lathrop CA 95330

925.574.2053
info@remotefillsystems.com





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Specifications

DIMENSIONS	24 X 24 X 24 Flush mount unit has 2 inch flange on all sides.
WEIGHT	85 lbs.
CONSTRUCTION	Welded steel construction of enclosure. The unit includes a kamvalock fitting and dust cover. The unit does not include any piping. Piping may enter on the top, bottom, back or sides.
CONTROLS	Ships with matching remote fill control panel.
UL LISTING	UL 508
CAPACITY	Secondary containment is 5.3 gallons.
POWER REQUIRED	120 volts, dedicated circuit at control panel. Remote fill enclosure light and horn are powered from matching control panel.

Ordering Information

PART #: SFRFS

SAN FRANCISCO REMOTE FILL SYSTEM INCLUDES:

- Dry disconnect and dust cover.
- Remote fill panel with silence switch, fill enable switch, light, horn and common alarm light.
- Remote fill control panel, single tank, shipped loose.
- Level probe for tank, shipped loose.
- Two leak detectors, shipped loose.
- One inch Normally Open solenoid valve, shipped loose

OPTIONAL PART #: RFSTAND

Welded stand for free standing application.

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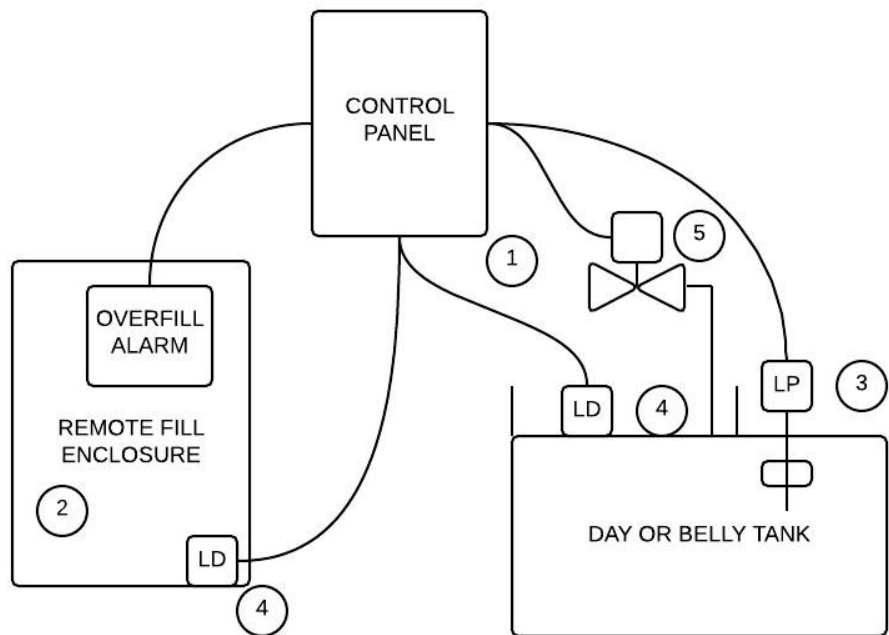
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Schematic Diagram and Sequence of Operation

ITEM	QUANTITY	DESCRIPTION
1	1	Remote fill control panel
2	1	Remote Fill Enclosure with integral light and horn, silence and fill enable switches
3	1	High level float switch
4	2	Leak detectors
5	1	Normally open solenoid valve



REMOTE FILL SYSTEM

The system operator must place the fill enable switch into the "on" position for a fill operation. The control panel monitors the high level in the day or belly tank. When the fuel level reaches the high level, the solenoid valve will close and the alarm horn and light in the remote fill and at the control panel are energized. A system operator may silence the alarm local to the remote fill or from the control panel, but the alarm light will remain lit and energized until the fill enable switch is placed into the "off" position.

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Any leak detector alarm will cause the common alarm light within the remote fill enclosure to light and the horn to sound. The horn may be silenced either locally or at the control panel but the common alarm light will remain energized until the leak detector is reset. A common alarm relay is provided for interface to a 24 hour monitoring system, either fire alarm or bms.

The control panel monitors leak detectors in the remote fill assembly and the top of the day or belly tank. A spare leak detector input is provided on the control panel for a piping transition tray or piping sump.

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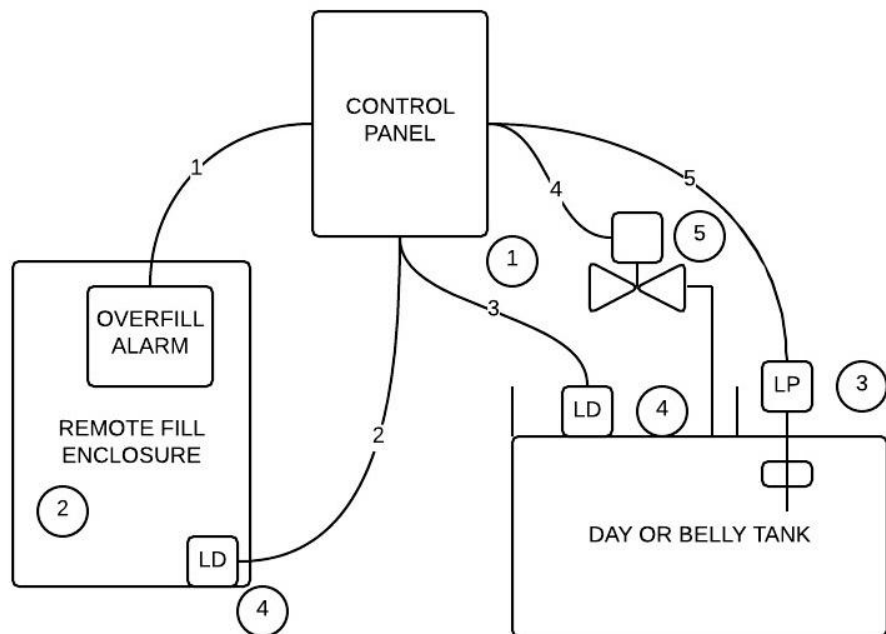
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Wiring Diagram and Power Requirements

ITEM	QUANTITY OF CONDUCTORS	DESCRIPTION
1	9 #16 for control	Remote Fill System wired with integral remote fill alarm. Control panel requires a dedicated 120 volt circuit. Remote fill enclosure lights and horn receive power from the control panel.
2	2 #16	Leak Detector
3	2 #16	Leak Detector
4	2 #16	Level Probe
5	2 #16	Solenoid Valve



WIRING FOR REMOTE FILL SYSTEM

Use #16 stranded THHN minimum for all control wiring. Use #14 stranded THHN minimum for power wiring. Wiring to be continuous from end to end with no splices. Tag wires with industry standard wire numbers. All wiring to be installed in conduit. All wiring and conduit to be installed as per Local Code requirements. Wiring may be run together in the same conduit.

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