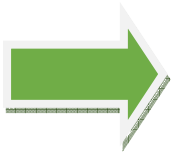
FSSG Maintenance Guide

Where Safety Comes First

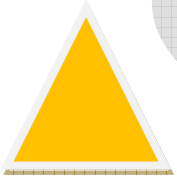
244 Fifth Ave. Suit L222 NY 1001 New York
Tel 646 233 4845 Email: ROLLS102@GMAIL.COM www.FSSG.US

The FSSG is a standalone Maintenance free unit;

However, If your organization Doesn't have yet a trained FSSG expert in house, our support team at Rolls Elevator are ready to provide you with Tel. guidance support 24/7 just call the No. +1 646 233 4845 , when necessary Our Local support team will provide you on Job training and support.



Be aware . The FSSG is Automatically Switch to Inspection mode (prevents Normal operation) whenever you place a Jumper/By-pass on Door Lock or Car Gate circuit. You'll be able use the elevator On inspection mode only, But you'll not be able to put it back to Normal operation unless By-pass is removed

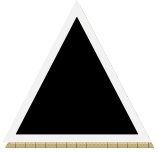


Important Note: although installed adjacent to the controller The FSSG is an external device and does not interfere with any internal function of the elevator controller , the FSSG is serially connected to the door locks circuits; as such, it may affect the continuity of the door/gate circuits, when required or in case of internal failure.

244 Fifth Ave. Suit L222 NY 1001 New York
Tel 646 233 4845 Email: ROLLS102@GMAIL.COM www.FSSG.US

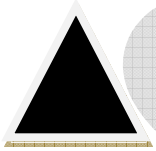
General Information

The main aim of this paper is to help you determined if the FSSG undergo an internal failure , in which case you'll be guided to the **FSSG Internal Failure Recovery procedure,**



It is strongly advised that the person holding this paper is already trained for FSSG maintenance By our expert.

Prior to placing a call, you will need to gather some information using the below Flowchart, with the aim to verify whether or not the FSSG suffer internal failure , In such case Go to Chapter FSSG Internal Failure recovery



Verify that wiring to controller are properly connected and No one attempt to tamper with, any changes to wiring will result with Elevator shutdown

244 Fifth Ave. Suit L222 NY 1001 New York
Tel 646 233 4845 Email: ROLLS102@GMAIL.COM www.FSSG.US

FSSG Maintenance Flow Chart

a. Does Car door closes when placing a call?

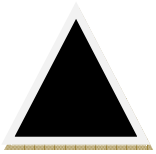
if not then the problem is NOT related to the FSSG Look elsewhere

b. Does Rope Gripper was activated to grip the ropes;

if yes, the problem is not related to the FSSG , Check main Brake , Check DZ Contact. Or look elsewhere

c. Close Car gate and Landing Door manually and measure the voltage at the end of the circuit or verify the status of the safety relay(s),

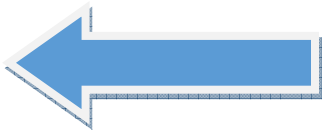
If safety Relay picks ON, then the problem is NOT related to the FSSG look elsewhere



If Safety relay Does not pick , check Fuses on FSSG front panel and replace if needed with **1A** fuses only. (**Or it will revoked Warranty terms**)Look for Ground shortage in door lock/Gate circuits

244 Fifth Ave. Suit L222 NY 1001 New York
Tel 646 233 4845 Email: ROLLS102@GMAIL.COM www.FSSG.US

Otherwise, answer the following Questions



a. Does TMR Led is ON?

   If **Yes**, open both Doors, Car Gate, and Landing doors to reset TMR.

   Verify that controller recycle when ever door lock or car gate contact Fail

b. Does any of the Red Led's on FSSG Front panel (By-pass detection) is ON ?,

   If **yes**, remove Existing Jumper/By-pass from the corresponding door circuit. And verify that all back to Normal Operation.

c. Does the Alarm sounds together with closed doors ,Green Led ON and Red Led ON?

   If **Yes**, Remove the existing Jumper/By-pass in controller terminal and open a door for resetting

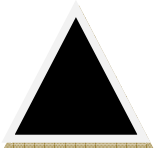
d. Measure main line of Power supply , verify that it correspond to designate required level.

244 Fifth Ave. Suit L222 NY 1001 New York
Tel 646 233 4845 Email: ROLLS102@GMAIL.COM www.FSSG.US

e. Does DOL Led status ON/OFF correspond to Car gate position?

If **Not**, check DOL switch for recovery.

Be aware that in such case , although FSSG does not switch control to Inspection it will however prevent the Car from running.



If you have answered properly and Failure consist , you may continue to FSSG Internal Failure Recovery on next Page, only if you were trained to do so

244 Fifth Ave. Suit L222 NY 1001 New York
Tel 646 233 4845 Email: ROLLS102@GMAIL.COM www.FSSG.US

FSSG Internal Failure Recovery Procedure

244 Fifth Ave. Suit L222 NY 1001 New York
Tel 646 233 4845 Email: ROLLS102@GMAIL.COM www.FSSG.US

For your knowledge

The FSSG sounds the Alarm on 4 occasions

a. If you placed a Jumper on open circuit, and then the Circuit is closed (Made),

   (This Intend to allow you locate easily a faulty lock in the shaft)

   in such case you have to remove the Jumper and reopen a door for reset and stop the Alarm.

b. If you attempted to By-pass the FSSG , it will automatically shut down the Elevator

c. If the FSSG is damaged as a result of physical abuse, and need to be replaced .

   in such case the new FSSG model construct of a Modular box that allows swift replacement No need for rewiring

d. When Main power supply fails to meet the required level.

e. When **FSSG internal failure occurs,** Worse case scenario required relay replacement

244 Fifth Ave. Suit L222 NY 1001 New York
Tel 646 233 4845 Email: ROLLS102@GMAIL.COM www.FSSG.US

in such case verify the follows:

a. Make sure you carry FSSG the relay Map with you as provided by the supplier

b. Make sure you carry spare relays of the appropriate type for your FSSG unit DO NOT use other relay type

Call Support team

Worst case scenario:

Using relay Map, Carefully Replace Relay One by one as describe below, stop relay replacement whenever Alarm ceased sound.

Stage 1

Relay No: 1,7,6,5,

Relay No: 3,11,22,21

Relay No: 9,32,35,29

Relay No: 10,17,8,4

Satge 2

Relay No: 2,15, 16,27

Relay No: 12,14,19,20

Relay No: 25,28,23,31

Relay No: 33,34,18

Relay Numbers are for Sample Only

244 Fifth Ave. Suit L222 NY 1001 New York
Tel 646 233 4845 Email: ROLLS102@GMAIL.COM www.FSSG.US

Relay No: 24,26,30,13

If none of the above resolve the Issue, FSSG unit should be replaced consult warranty terms

Support team will coordinate replacement

5 Years Warranty for each FSSG approved unit is Guaranteed By Rolls Elevator Safety USA Inc.

244 Fifth Ave. Suit L222 NY 1001 New York
Tel 646 233 4845 Email: ROLLS102@GMAIL.COM www.FSSG.US