

# V2

DOOR LOCK MONITORING  
TEST PROCEDURES

VERSION 1.2



SMARTRISE

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## Document History

Date	Version	Summary of Changes
October 18, 2021	1.2	Changed format Added Safety section Updated Fire Phase 2 description
February 7, 2020	1.1	Added DP testing as test #2 and incremented tests below by 1
October 23, 2018	1.0	Initial Submittal

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# Door Lock Monitoring Test Procedure

This manual contains test procedures for the Door Lock Monitoring. To perform these tests, verify parameters 13-159 is set to 0x01 or 0x05, 13.191.6 and 00-088.5 are set to On.

**NOTE:** Smartrise Controller Software version must be 2.47 or higher.

## 1.1. Safety

The following safety measures are to be followed:

- Tests are to be performed by a qualified elevator mechanic only.
- Be certain that there are no passengers inside the elevator car when performing these tests.
- When performing a test that requires open doors, be sure to have proper personnel guarding the doors.
- When making hardware changes, be certain that all power has been disconnected from the elevator controller.

### **WARNING**

**FAILURE TO FOLLOW PROPER PRECAUTIONS CAN RESULT IN SERIOUS INJURY, DEATH, OR DAMAGE TO THE ELEVATOR AND/OR BUILDING.**

## Gate Switch

The following procedure describes how to test the Gate Switch.

1. Place car on automatic operation with the doors fully open.
2. Place a temporary jumper to jump out the Gate Switch.
3. Place a car call.
4. The elevator will fault out with a F146 Gate Coupling fault.
5. The car door remains open with the hall doors closed and the car does not move.

## Door Position Monitoring (DPM)

The following procedure describes how to test the DPM.

1. Place car on automatic operation with the car doors fully open and the hall doors fully closed.
2. Place a temporary jumper to jump out the Gate Switch.

**NOTE:** If Gate Switch and DPM are jumped together, remove jumper during test.

3. Place a car call.

4. The elevator will fault out with a F146 Gate Coupling fault.
5. The car door remains open with the hall doors closed and the car does not move.

## Door Lock

The following procedure describes how to test the door lock.

1. Place car on automatic operation with the car doors fully open.
2. Close hall doors with the car doors open.  
**NOTE:** If elevator has swing contacts, make sure the swing contacts are closed.
3. Place a car call.
4. The elevator will fault out with a F147 Hall Coupling fault.
5. The car door remains open with the hall doors closed and the car does not move.

## Fire Phase 1

The following procedure describes how to test Fire Phase 1.

1. Position the car away from fire recall floor.
2. Close hall doors with the car doors open.  
**NOTE:** If elevator has swing contacts, make sure the swing contacts are closed.
3. Place the car on fire recall.
4. The elevator will fault out with a F147 Hall Coupling fault.
5. The car door remains open with the hall doors closed and does not recall.

## Fire Phase 2 Away From Recall

Momentary pressure of the door close button allows the car doors to close and the elevator will run to where the car call was placed.

The following procedure describes how to test Fire Phase 2.

1. Put the car on fire recall so that the elevator will be on the recall floor.
2. Put the car on Fire Phase 2.
3. Put the car away from the recall floor.
4. Close hall doors with the car doors open.  
**NOTE:** If elevator has swing contacts, make sure the swing contacts are closed.
5. Place the car call.



6. The car door remains open with the hall doors closed and the car does not move.

## Fire Phase 2 Cancel Recall

The following procedure describes how to test Fire Phase 2.

The following procedure describes how to test Fire Phase 2.

1. Put the car on fire recall so that the elevator will be on the recall floor.

**NOTE:** Leave fire recall key switch in the ON position.

2. Put the car on Fire Phase 2.
3. Put the car away from the recall floor.
4. Close hall doors with the car door open.

**NOTE:** If elevator has swing contacts, make sure the swing contacts are closed.

5. Turn off Fire Phase 2.
6. The car doors will close and recall down to the fire recall floor.