

Test Procedure: DLK/GS MONITORING
Version: v1.01
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The following is the procedure to test the Door-Lock and Gate-Switch (DLK/GS) Monitoring System:
Note: Verify that ESI Parameter 78 is set to “1” before starting tests.

TEST 1 – DLK Monitor:

1. Place Car at floor on Automatic with doors fully Open - away from Fire Recall Floor;
2. Disengage Hall Doors from Car Doors;
3. Close Hall Doors with Car Doors fully Open. For Swing Doors also Close Locking (Secondary) Contacts;
4. **Result:** Car Door will NOT Close and Car will NOT run. “**Door Lock ON Fault**” is displayed.

TEST 2 – DLK Monitor/FIRE PHASE I:

1. Place Car at floor on Automatic with doors fully Open - away from Fire Recall Floor;
2. Disengage Hall Doors from Car Doors;
3. Close Hall Doors with Car Doors fully Open. For Swing Doors also Close Locking (Secondary) Contacts;
4. Initiate **Fire Phase I**;
5. **Result:** Car will NOT recall. “**Door Lock ON Fault**” is displayed.

TEST 3 – DLK Monitor/FIRE PHASE II:

1. Elevator is recalled normally on **Fire Phase I** to the recall floor, then **Fire Phase II** is initiated and elevator is placed away from the recall floor on **Phase II**;
2. Disengage Hall Doors from Car Doors;
3. Close Hall Doors with Car Doors fully Open. For Swing Doors also Close Locking (Secondary) Contacts;
4. Place a Car Call to a floor other than the Fire Recall Floor;
5. **Result:** Momentary pressure of Door Close button allows the car doors to close and elevator runs to the floor where car call is placed.

TEST 4 – DLK Monitor/FIRE PHASE II return to PHASE I:

1. Elevator on **Fire Phase II** away from the recall floor;
2. Close Hall Doors with Car Doors fully Open. For Swing Doors also Close Locking (Secondary) Contacts;
3. **Fire Phase I** key-switch in the ON position;
4. Turn OFF **Phase II** key-switch;
5. **Result:** Car Doors close to initiate **Phase I** return and the Car returns to **Fire Recall Floor**.

TEST 5 – GS Monitor:

1. Bring Car to floor on automatic with Doors fully Open;
 2. Close Car Gate Switch Contacts;
 3. **Result:** Car will NOT close door and Car will NOT run. “**Gate Switch ON Fault**” is displayed.
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