Test Procedure: **DLK/GS MONITORING**
Version: **v1.02**
Date: **May 30, 2019**

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.

TEST 6 – Verify NO OPERATION if Car Door NOT CLOSED, regardless of the status of
Car Gate Switch Contact, Hatch Door Lock or Interlock circuits:
1. Bring Car to floor on automatic with Doors fully Open;
2. Close Hall Doors and Car Doors. For Swing Doors also Close Locking (Secondary) Contacts;
3. Jump #27 to #47 (Door Close Limit);
4. Place Car Call;
5. *Result:* Car will NOT run.