OPERATION & MAINTENANCE MANUAL

FIRE DAMPER K75 SERIES

Regular maintenance is essential to ensure that a building's life-safety system will perform as intended under fire conditions. Regular maintenance should include periodic testing of all equipment associated with the life-safety system such as fire dampers. The interval of testing and maintenance varies widely depending on the duration of system operation, condition of fresh air, amount of dust in return air, and other factors. NFPA 80 recommends testing of all fire dampers 1 year after installation and then once every four years as a minimum.

SHIPPING INSPECTION

When receiving the Fire Dampers, please do the proper checking on the dampers before installation by following these steps:

1- Inspect the damper for shipping damage.
2- Check for proper Models & Sizes.
3- Inspect for obstruction which could interfere with free operation and complete closure.
4- Manually cycle the damper as follow:
   a- Place the fire damper horizontally against a wall or solid ground with blade lock downward
   b- Hold the blade Firmly
   c- Remove the fusible link by unlocking the attachment
   d- Release the blade spontaneously - Do not remove your hand slowly it might harm the spring.
   e- Damper should close complete.
   f- Reopen the damper.
   g- **Make sure to Place & lock the fusible link** in the same way as it was before the testing.

MAINTENANCE

- Check closure springs. If defective, repair or replace.
- Inspect for obstruction which could interfere with free operation and complete closure.
- Operate the damper by removing the fusible link and allowing the blades to drop or close.

(Caution: keep fingers and hands out of the blade package travel path.)

- Check the damper for rust and/or corrosion.
- Clean damper blades and working parts. Do not use petroleum-based products as they could cause excessive dust collection.
- Re-open the damper (move the blade package back to the top of damper) and replace the fusible link.

TESTING DAMPERS

- Use a heat source and melt the fuse link or remove the fuse link and let the blade package drop.

(Caution: keep fingers andhands out of the blade package travel path.)

- Check the blades to make sure they completely close and lock

Notes:

1.Due to their construction (including size) and/or accessibility, curtain type fire dampers may be very difficult and in some cases impossible to test (close and re-open). If the damper is determined to be impossible to test, KBE recommends athorough examination to insure nothing exists which would prohibit the damper from closing. A thorough examination should include checking the damper for squareness and the blade channel for obstructions.

2.If possible, DYNAMIC fire dampers should be tested under normal airflow conditions.