

Technical Warning Notice

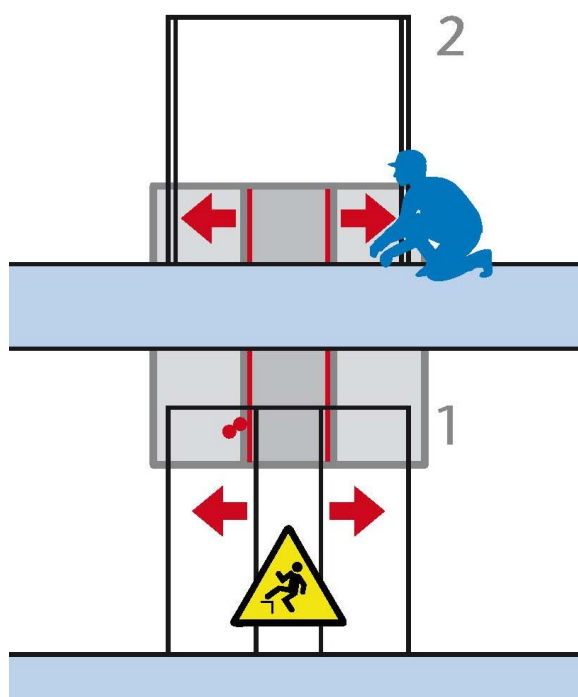
Subject: Dangers of door edges opening landing doors

The fitting of full height detectors to lift doors has reduced the risk of passengers being struck by closing lift doors and is required for new lifts by BS EN 81-20. They have been very widely fitted to existing lifts as a safety improvement. There are a number of possible ways to provide such detection; one is to fit a "slimline" unit to the front edge of the car door in the running clearance between the car and landing doors. Lift landing doors are typically arranged with lock rollers which are unlocked and opened by a skate arrangement on the car door operator.

This leaves the possibility that the detector edge could interfere with the landing door lock rollers at the lower level when the car doors open at the higher level e.g. when the lift car top is being accessed at the next landing to gain access to the car top and the car doors are cycled. There is then a very serious hazard from falling into the lift well from the lower landing door.



[Click here for a short animation](#)



Where such systems are encountered, great care must be taken when accessing the lift well or performing manual release procedures. This hazard can be avoided or corrected by fitting the detector edges so that they do not interfere with the landing lock rollers e.g. at the back of the door tracks or on the car doors behind the lock rollers.

If discovered the warning notice to the left could be used as a temporary solution to create awareness to anyone working on the equipment until the edges can be corrected and the hazard eliminated.