



LEIA Safety Information Sheet

Escalator Pendant Controls

Prepared by the LEIA Safety & Environmental Committee

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SAFETY INFORMATION SHEET ESCALATOR PENDANT CONTROLS

PREAMBLE

This Information Sheet is one of a series produced by the LEIA Safety and Environment Committee on topics relevant to the Lift and Escalator Industry. Whilst every effort has been taken in the production of these sheets, it must be acknowledged that they should be read in conjunction with the relevant legislation, codes of practice etc. They should not be taken as an authoritative interpretation of the law but guidance to it.

INTRODUCTION

The purpose of this safety information sheet is to describe the method of operating an escalator or moving walk using a pendant controller to enable controlled movement of the equipment.

Using the wrong pendant control for a machine could potentially expose the operator to a risk of uncontrolled movement of the equipment as it may not operate as the user expected it to.

In addition to the above it is also vitally important the pendant controller is verified as fully functional before attempting any works on the equipment that requires slow controlled movement.

PROCESS DESCRIPTION

Whenever intending to access the pit of an escalator or moving walkway the machine must only be operated by the use of a suitable pendant control.

BS7801 Safe Working on Escalators and Moving Walks refers to the following requirements.

- Suitable and effective barriers must be provided and used.
- A suitable pendant control is to be used and verified as working as designed.
- Safety circuits should be checked and verified as working as designed.
- Whenever access is gained into the equipment the appropriate pendant control must always be connected.
- When access covers are removed the machine must only be moved by operation of the approved pendant control.

PENDANT CONTROL VERIFICATION

The Engineer must ensure that the correct pendant control handset and control panel plugs are correctly identified and used. The major Original Equipment Manufacturers (OEM) tend to use colour coding to align their handsets and control pugs to the OEM's machines.

Adaptor leads are now available to reduce the number of handsets carried and are used with a 10-pin plug inspection control. The OEM's colour coding remains the same.

It may be necessary to remove the controller panel to enable the pendant controller handset to be connected to the machine. Before doing this the following must be completed:

- Erect barriers to both the top and bottom pit areas.
- Stop the escalator/moving walk by actuating one of the passengers stop buttons.
- Remove the floor covers using the OEM recommended tool and store safely.
- Actuate the pit stop button in the bottom pit or switch off the main switch if working in the top pit.

Plug in the pendant controller within the control panel and check the integrity of the stop button dynamically by moving the machine with the run button and a direction and then simultaneously pressing the stop button. Additionally make sure the machine will not start if the stop button is already actuated.

Do NOT move the machine from within the top or bottom pits unless the step barriers are in place.

The pit stop button should always be actuated whenever the machine is stationary.

FURTHER INFORMATION

BS7801: Escalator and moving walks – Code of practice for safe working on escalators and moving walks.

EN115: Safety of escalators and moving walks. Construction and installation.