

Guidance

G3191

Heavy duty metro escalator human machine interface

Issue no.:	A1	Issue date:	February 2016
		Review date:	February 2016

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1 Purpose

The purpose of this document is to provide general guidance for using and reviewing the touch screen controller display (Human Machine Interface (HMI)) on heavy duty metro (HDM) escalators. This document should be read in conjunction with manufacturer's instructions.

2 Scope

This guidance document applicable to HDM escalator controllers.

3 General

The pages available via the Human Machine Interface are dependent on the user right of access. Without a "login" only a limited number of pages will be displayed and no interactive communication is possible.

4 Display screen

The display has some elements which appear consistently on all screens but may vary in relation to the user being logged in or the status of the machine.

4.1 Top Button Bar

The three buttons on the Top Button Bar allow navigation between web pages and to quit the internet browser. The current subgroup will be highlighted.

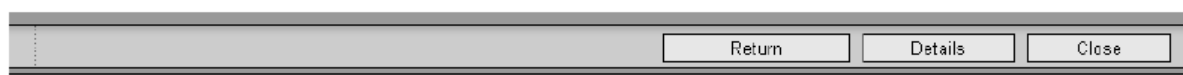


Figure 1 - Top Button Bar

Return - allows access to Return pages. The default page is "Overview".

Details - allows access to the Details pages. The default page is "Locked failures".

Close - (only appears if the user is logged in). Allows exit from the internet browser window after confirmation.

NOTE: The users name will be displayed when logged in.

4.2 Information bar

The information bar displays the values reflecting the current status of the escalator. This information is supplemented by and animated escalator display.

System Volts	n/a	System Amps	n/a	System KW	n/a	Escalator Speed	0 mm/s	Handrail left	0 mm/s	Handrail right	0 mm/s
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Figure 2 – Information Bar

4.3 Navigation Bar

A navigation bar is displayed on the left side of the web pages which provides a menu to select various web pages. The current page choice is highlighted in yellow.

- Overview
- Parameters
- Statistics
- Dat / Tim / Pho (only if user logged in)
- Alarm History
- Brake Test (only if user logged in)
- Master Data (only if user logged in)
- Login (only if user logged out and operation switch on the controller is set at the "Test" position).

5 Web pages

Each page provides access to further subgroup information with indicators of the current escalator status or historic data as well as providing, warnings, failure information and hints regarding the current status.

6 Web pages – Return Subgroup

6.1 Overview

The following information is available from the Overview screen. The figure shows the overview page with the machine running normally with no failures.

6.1.1 Operational mode

Indicates the current operation of the escalator (depend from position of S30 Switch at the controller door and the actual operation mode)

6.1.2 Direction

Indicates the current direction of the escalator.

6.1.3 Availability

Indicates the current availability of the escalator.

6.1.4 Last remote control

Indicates the last remote command transmitted from the PC to the control and the response.

6.1.5 Brake Lift Mode

Indicates the position of the Switch S162 at the controller door.

6.1.6 Hints

Indicates the first three hints which are present.

6.1.7 Locked failures

Indicates the first three locked faults which are present.

6.1.8 Unlocked failures

Indicates the first three unlocked faults which are present.

NOTE: After fault clearing and resetting or during maintenance the corresponding fault message disappears.

6.1.9 Warnings - Escalators

Indicates the first three warnings which are present.

NOTE: After fault clearing and resetting or during maintenance the corresponding warning message disappears.

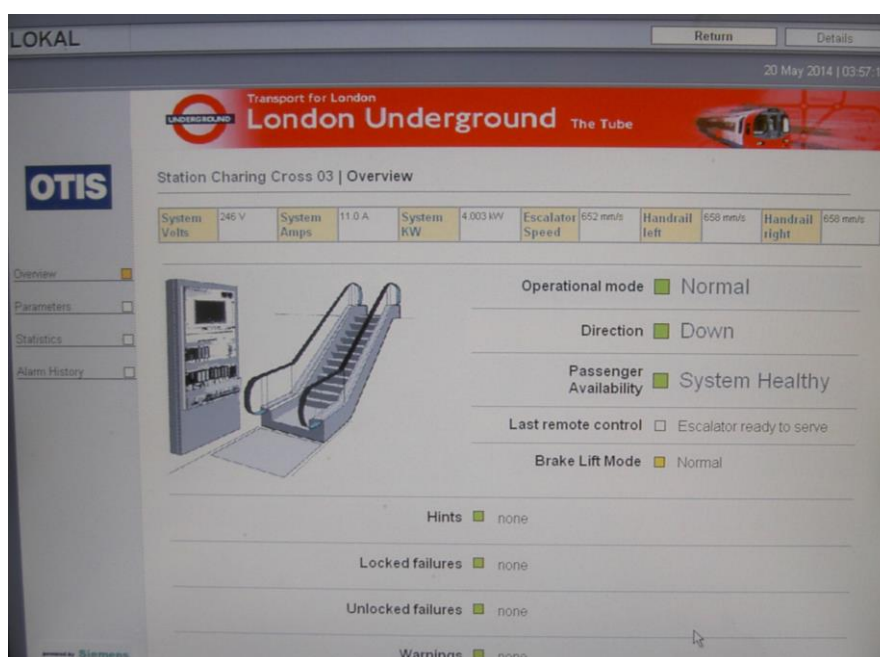


Figure 3 – HMI display

NOTE: Only the Return and Details buttons are shown as no user is logged in.

6.2 Parameters

6.2.1 Displayed Information

Minimum and maximum limit values for the parameters. During the input of a desired value the limits will be checked. If the desired value is out-of-range, it will be rejected.

NOTE: These functions are only possible only if logged in as authorised user.

Actual value – User set parameters

You can type in a value by selecting the relevant field. Enter the parameter required and select the Submit Parameters button. Entered values will be rejected if they do not relate to the other parameters.

NOTE: When you touch a field a virtual keyboard is displayed.

Factory setting - Default values of the parameters.

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