

Display I/O for OCS

Tab sort as natural order and designed name (lower floor show in bottom)

2/F

1/F

Operator symbol:
AND OR XOR
& + ⊕

Calls I/O

Car Call

HALL IN ID: 15 (DM3A) Bit: 8 Value: =1

&

HALL IN ID: 15 (DM3A) Bit: 8 Value: =1

>

HALL OUT ID: 15 (DM3A) Bit: 8 Value: =1

&

HALL OUT ID: 15 (DM3A) Bit: 8 Value: =1

Hall Up Call

HALL IN ID: 15 (DM3A) Bit: 8 Value: =1

>

HALL OUT ID: 15 (DM3A) Bit: 8 Value: =1

+

Hall Down Call

HALL IN ID: 15 (DM3A) Bit: 8 Value: =1

&

HALL IN ID: 15 (DM3A) Bit: 8 Value: =1

>

HALL OUT ID: 15 (DM3A) Bit: 8 Value: =1

+

Arrival Light I/O

Hall Up Arrival Light

HALL OUT ID: 15 (DM3A) Bit: 8 Value: =1

+

Hall Down Arrival Light

HALL OUT ID: 15 (DM3A) Bit: 8 Value: =1

+

Arrival Gong

☐ Front Hall Up Gong
☒ Front Hall Down Gong
☐ Rear Hall Up Gong
☐ Rear Hall Down Gong

Floor Management (Floor-by-Floor Style)

Current I/O name in edit

I/O Name:

HALL IN ID: 15 (DM3A)
Bit: 8
Value: =1

HALL IN ID: 15 (DM3A)
Bit: 8
Value: =1

HALL OUT ID: 15 (DM3A)
Bit: 8
Value: =1

*Current I/O stream in edit:
Outline the editing item and
update its value when user
change inputs*

Data source: HALL, CAR, MCS

Bus: In/Out:

Auto update device list live when user change data source
Show device ID, device name, and device type in one line:

[ID: 8] DM3A: Lobby Display

ID Device Type Device name (User define)

*Device ID:
Input/Output update when changed*

Device ID:

Auto update I/O list live when user change data source
Show bit order and its associated function.

Bit 0: Access Control A switch

Bit order Associated function name

I/O Editor Dialog

Latter Input Operator show as a text label and update when the first operator changes

*Removing I/O:
Right click on I/O then show menu with only 'Remove' option.*

Make the first occurrence of Input Operator as a button. Click it will show a drop down menu with all operator options. change all operator at the same time.

Name the title as 'I/O Editor'

No operator symbol needed for Outputs

The screenshot shows the 'I/O Editor' dialog box. The title bar is blue with the text 'I/O Editor'. The main area has a light beige background. At the top, there's a text field 'I/O Name:' with the value '[前門] 轉箱內呼 L樓'. Below this, there are four operator blocks. The first two are blue and labeled 'CAR IN', with IDs 2 and 3 respectively. The last two are red and labeled 'CAR OUT', with IDs 2 and 3 respectively. Between the first and second blue blocks is a button with an ampersand '&'. Between the two red blocks is a button with a red 'X'. To the right of the red blocks is a '+' button. Below the operator blocks, there's a 'Bus:' dropdown menu set to 'CAR'. To the left of the 'Device ID:' label is a table with two columns: 'ID' and '類型'. The table has four rows: '2 DM3A', '3 GP4G', '10 GP4G', and '12 GP4G'. To the right of the 'In/Out:' dropdown menu (set to 'INPUT') is a list box with 11 items, each starting with a number from 0 to 10 followed by a location name in Chinese. At the bottom right are 'OK' and 'Cancel' buttons.

I/O Name: [前門] 轉箱內呼 L樓

Bus: CAR

Device ID:

ID	類型
2	DM3A
3	GP4G
10	GP4G
12	GP4G

In/Out: INPUT

Bit:

- 0 [前門] 轉箱內呼 L樓
- 1 [前門] 轉箱內呼 1樓
- 2 [前門] 轉箱內呼 3樓
- 3 [前門] 轉箱內呼 5樓
- 4 [前門] 轉箱內呼 6樓
- 5 [前門] 轉箱內呼 7樓
- 6 [前門] 轉箱內呼 8樓
- 7 [前門] 轉箱內呼 9樓
- 8 [前門] 轉箱內呼 10樓
- 9 [前門] 轉箱內呼 11樓
- 10 [前門] 轉箱內呼 12樓

OK Cancel

I/O Editor Dialog 2

> Home > Inspect

Color Scheme for charts:

#ed0 #af4 #3af 

Pos. Line:

#ed0, solid, 1px

Speed Line:

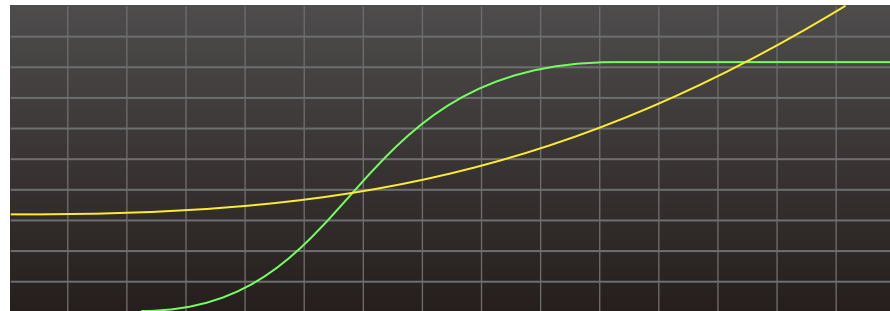
#af4, solid, 1px

Grid Line:

#444, solid, 1px

*anti-alias to CURVES
preferred*

margin 24px to all edge

300px chart area only
not include axis and
value space

Realtime Status

Position:	1234.56	mm
Speed:	2497.00	mm/s
Acceleration:	810.01	mm/s ²
Jerk:	-750.02	mm/s ³
Destination:	5678.56	mm
Brake Disp.:	2345.56	mm

Chart spec:

X Grid: 2 second/grid, 15 grid width

Y Grid: 11 grid height, max=10 grid

--- data below can be retrieve from OCS/MCS at runtime ---

Position Y Max: UDZ position of the elevator

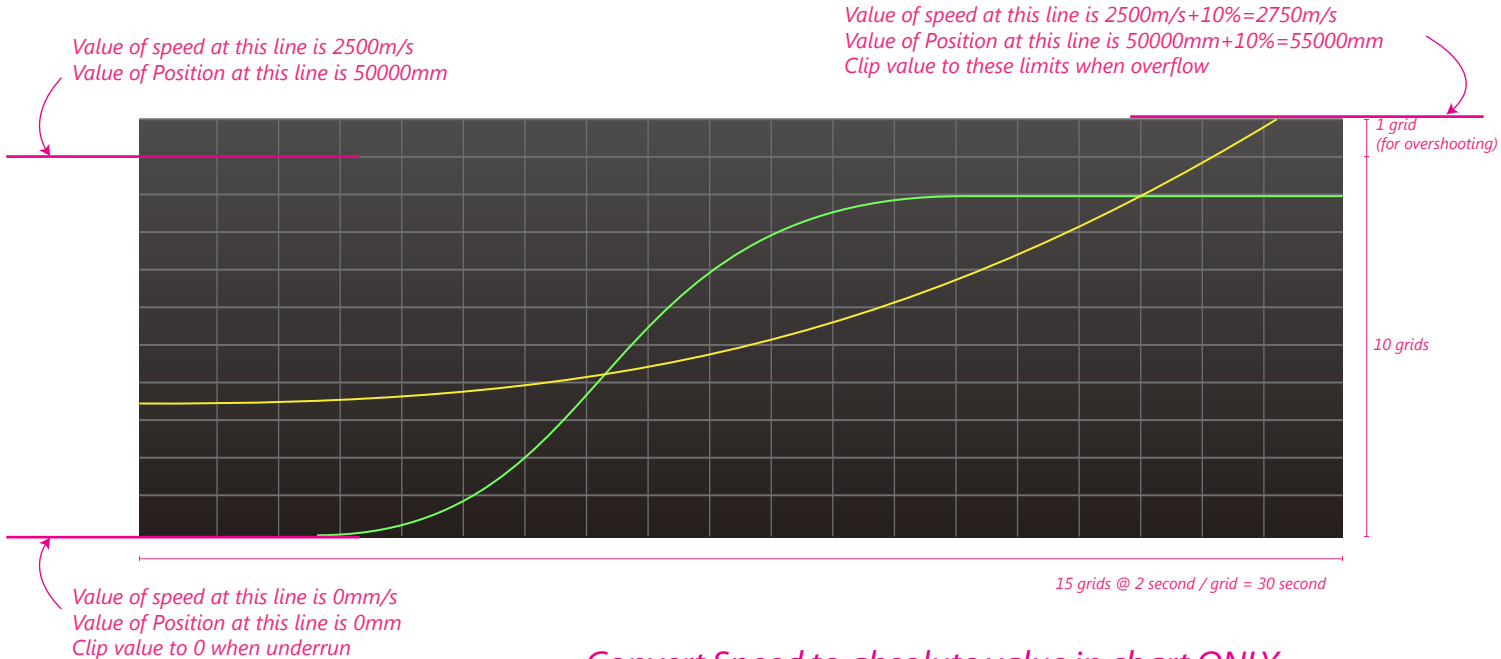
Position Y Min: 0 mm

Speed Y Max: Max speed of elevator

Speed Y Min: 0 mm/s

>>> Refer to example setup on next page <<<

Example:
Elevator speed: 2500mm/s
Highest UDZ position: 50000mm



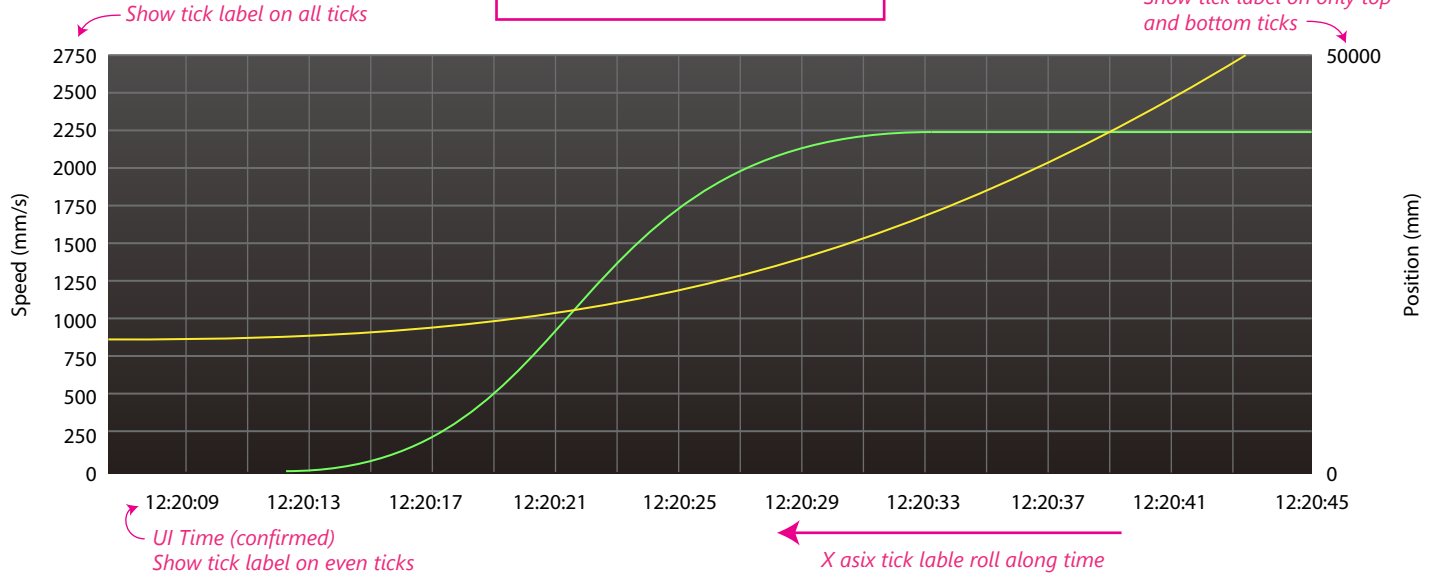
Convert Speed to absolute value in chart ONLY

Inspect - Motion - Chart details

Zoom and pan of chart should be possible later

tick label font: 8px #000 regular
axis label font: 9px #000 regular

Example:
Elevator speed: 2.5m/s
Highest UDZ position: 50000mm



Inspect - Motion - Axis details

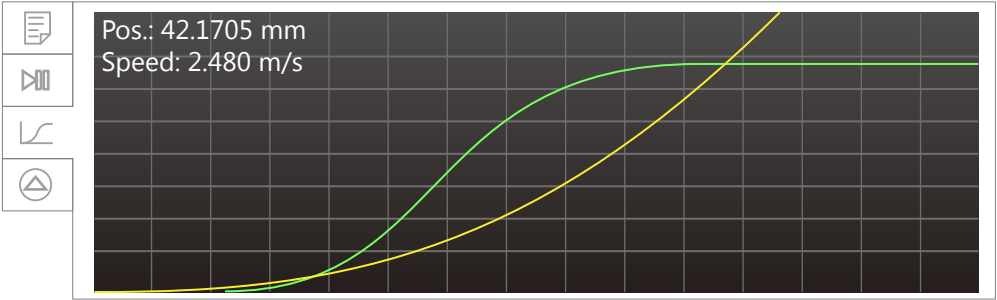
Color Scheme for charts:

#ed0 

#af4 

#3af 

Real time data: 9px regular #fff



BG: Gradient
#000000->#181818

Pos. Line:
#ed0, solid, 1px

Speed Line:
#af4, solid, 1px

Grid Line:
#444, solid, 1px

Grid: X spacing 20px ~2 second per grid, Y spacing: 10px (scale ref to Inspect-Motion)

Chart size: 260px x 80px

Info Panel (Motion)

Give modal to this window

Check list update as task complete or fail. Have 'tick', 'cross' and 'arrow' icon. will be provide later

Self Learn Door Zone

- ✓ Exit from shaft limit
- ✓ Locate Lower Shaft Limit (LSL)
- ✓ Locate lowest floor
- ▶ Door zone position learning
- Retrack to shaft
- Land within door zone

Start

Cancel

✓ Exit from shaft limit OK

Going to locate LSL...

LSL Located at 8934mm

Going to locate lowest floor...

i

 1 Door zone in LSL found...

i

 2 Door zone in LSL found...

Lowest floor arrived.

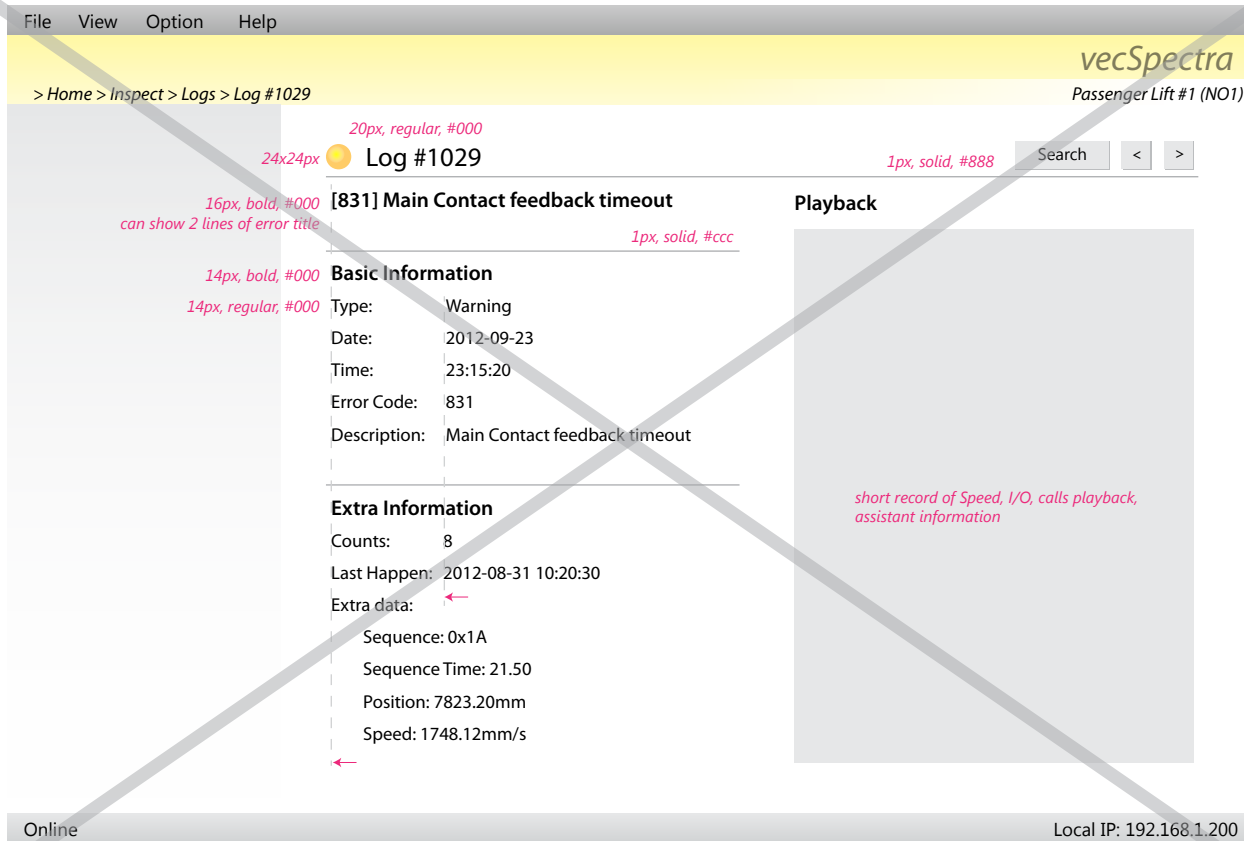
Detail action of these buttons please refer to issue tickets.

Running logs report from MCS. shade on even lines, give icon on left most (detail refer to issue). old line on top new line at bottom. roll to newest line when new line come.

There will be a similar dialog for the 'self test' function. let discuss will it be generalized to a module

*window size 880px*600px*

Self-learn Door zone dialog



Log Screen (Card style)