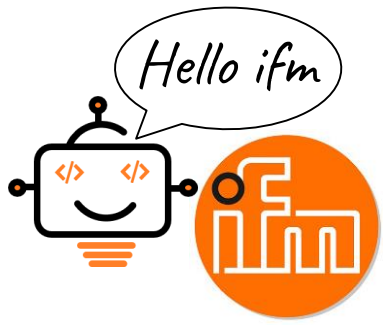


Systems for signaling and indication

Signal lamp

DV2510





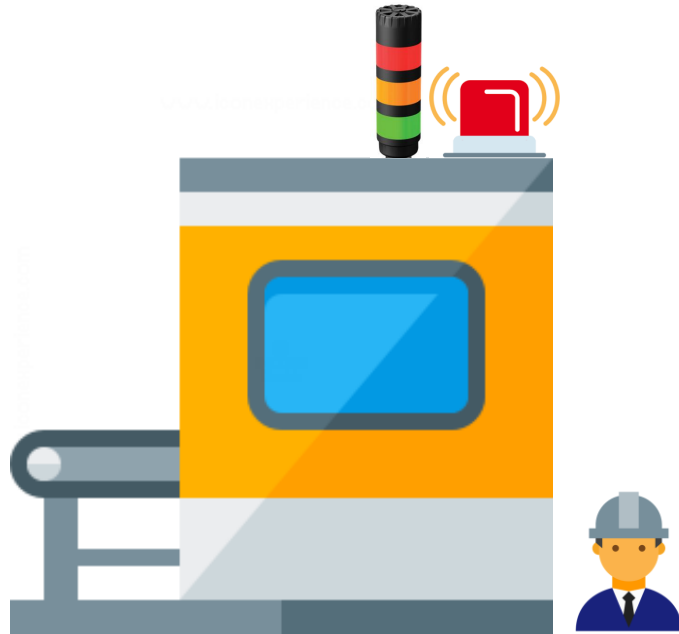
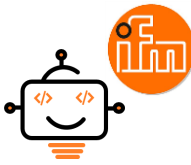
Systems for signaling and indication

Signal lamp

DV2510

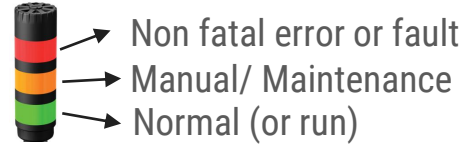


Why we need Indication signals?

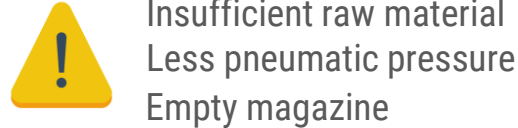


Typical machine

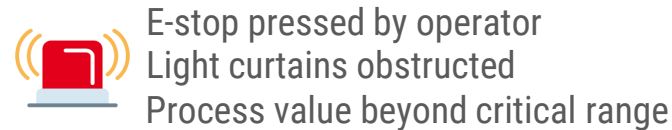
1. To know the current state of machine



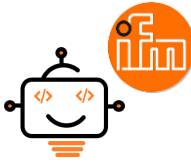
2. To alert the operator on warning conditions



3. To alert the operator on emergency conditions



What could be Indication signals?



Light signals
(States of machine)

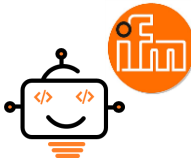


Blinking light signals
(for warning signals)



Buzzer
(emergency situations)

Standards in Indication signals



Luminance
(0 - 100%)



Blinking & Flashing
(slow, medium and fast)



Audible range
(0-100%)



At least two level of luminance. It should be:

- Too bright in bright light conditions (50- 100fc)
- Less bright in low light condition

Blinking conveys:
Unacknowledging event, new error

Flashing conveys:
Normal transitory event
Ex. Filling of tank when it's critically low

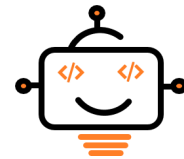
Alarm sound
should be audible considering ambient noise impact
Bigger the area, more the sound output and vice versa.



presents you

Signal lamp

DV2510



5 x 4 LEDs



Segment 1
Segment 2
Segment 3
Segment 4
Segment 5

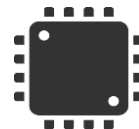
Buzzer

Signal lamp is a smart device with 5 segments and buzzer for signaling machine conditions

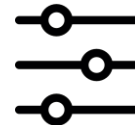
Key features



18 -30 VDC
operated



Programmable
Intensities and
colors



Real time change
of parameter
(LR device)

 **IO-Link**
technology

PROFI[®]
NET

control

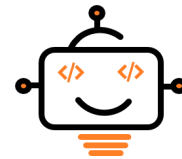


Built-in buzzer
(max 85 db.)



presents you

Signal lamp



Signal lamp is capable of generating different colors in single lamp



5 x 4 LEDs



Segment 1
Segment 2
Segment 3
Segment 4
Segment 5

Buzzer

The screenshot shows the SIMATIC HMI configuration interface for the SignalLight. It includes a 'Code </> Compile' button and a 'TOUCH' label. The main content area is titled 'SignalLight from ifm Generating different colors' and contains a grid of buttons for configuring segments and a buzzer. The buttons are organized as follows:

- All segments:** A 3x3 grid of green buttons labeled 'S S S'.
- Segment 1 QB6:** A 3x3 grid of green buttons labeled 'b6 b5 b4'.
- Segment 2 QB5:** A 3x3 grid of green buttons labeled 'b6 b5 b4'.
- Segment 3 QB4:** A 3x3 grid of green buttons labeled 'b2 b1 b0'.
- Segment 4 QB3:** A 3x3 grid of green buttons labeled 'b2 b1 b0'.
- Segment 5 QB2:** A 3x3 grid of green buttons labeled 'b2 b1 b0'.
- All segments:** A 3x3 grid of red buttons labeled 'R R R'.
- Buzzer QB1:** A 3x3 grid of blue buttons labeled 'b6 b5 b4' and a single blue button labeled 'b0'.

On the right side of the interface, there are two configuration panels:

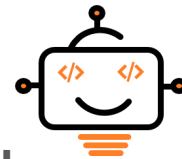
- Color codes:** A list of color codes: (0) - Off, (1) - Blue, (2) - Green, (3) - Cyan, (4) - Red, (5) - Purple, (6) - Amber, (7) - White.
- Blink/Flash code:** A list of blink/flash codes: (0) - Stable, (1) - Blink slow, (2) - Blink med., (3) - Blink fast, (4) - Flash slow, (5) - Flash med., (6) - Flash fast.
- Buzzer mode:** A list of buzzer modes: b0 - enable, 1 ~ 7 - various modes.

The website www.codeandcompile.com is displayed at the bottom of the interface.



presents you

Signal lamp



Signal lamp is capable of blinking or flashing the segments independently

5 x 4 LEDs



- Segment 1
- Segment 2
- Segment 3
- Segment 4
- Segment 5

Buzzer

SIEMENS SIMATIC HMI

SignalLight from ifm
Generating different colors

Code </> Compile

Color codes
(0) - Off (4) - Red
(1) - Blue (5) - Purple
(2) - Green (6) - Amber
(3) - Cyan (7) - White

Blink/Flash code
(0) - Stable
(1) - Blink slow
(2) - Blink med.
(3) - Blink fast
(4) - Flash slow
(5) - Flash med.
(6) - Flash fast

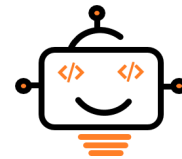
Buzzer mode
b0 - enable
1 ~ 7 - various modes

www.codeandcompile.com



presents you

Signal lamp



Signal lamp is capable of generating various buzzer sounds for warnings



5 x 4 LEDs



Segment 1
Segment 2
Segment 3
Segment 4
Segment 5

Buzzer

SIEMENS SIMATIC HMI

SignalLight from ifm
Generating different colors

Code </> Compile

Color codes

(0) - Off	(4) - Red
(1) - Blue	(5) - Purple
(2) - Green	(6) - Amber
(3) - Cyan	(7) - White

Blink/Flash code

(0) - Stable
(1) - Blink slow
(2) - Blink med.
(3) - Blink fast
(4) - Flash slow
(5) - Flash med.
(6) - Flash fast

Buzzer mode

b0 - enable
1 ~ 7 - various modes

Control Panel:

- All segments: [S] [S] [S]
- Segment 1 QB6: [b6] [b5] [b4]
- Segment 2 QB5: [b6] [b5] [b4]
- Segment 3 QB4: [b6] [b5] [b4]
- Segment 4 QB3: [b6] [b5] [b4]
- Segment 5 QB2: [b6] [b5] [b4]
- All segments: [R] [R] [R]
- Buzzer QB1: [b6] [b5] [b4] [b0]

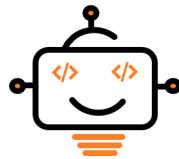
TOUCH

www.codeandcompile.com



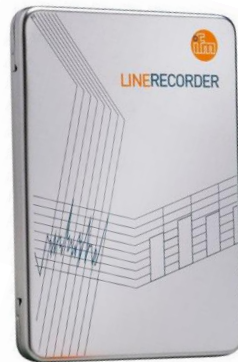
presents you

Signal lamp



Quick and easy parameter setting

Via IO-Link master

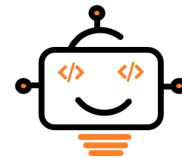


LR device software
(optional)



presents you

Signal lamp



Signal lamp is capable of changing intensity of segment in real time

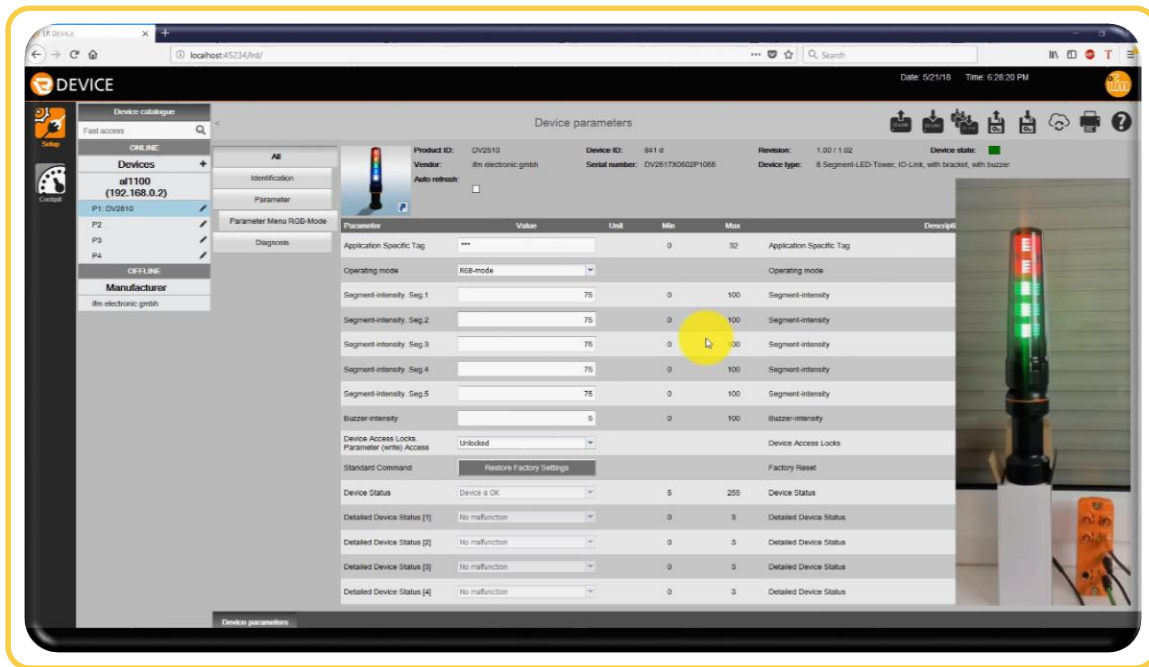


5 x 4 LEDs



- Segment 1
- Segment 2
- Segment 3
- Segment 4
- Segment 5

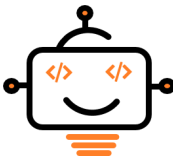
Buzzer





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Signal lamp



Signal lamp is capable of changing intensity of buzzer in real time



5 x 4 LEDs



- Segment 1
- Segment 2
- Segment 3
- Segment 4
- Segment 5

Buzzer



Device parameters


Product ID: DV2510 Vendor: ifm electronic gmbh Auto refresh:

Device ID: 841 d Serial number: DV2517X0502P1055

Revision: 1.00 / 1.02 Device state: ■

Device type: 5 Segment-LED-Tower, IO-Link, with bracket, with buzzer

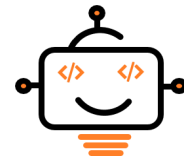
Parameter	Value	Unit	Min	Max	Description
Application Specific Tag	***		0	32	Application Specific Tag
Operating mode	RGB-mode				Operating mode
Segment-intensity_Seg.1	75		0	100	Segment-intensity
Segment-intensity_Seg.2	75		0	100	Segment-intensity
Segment-intensity_Seg.3	75		0	100	Segment-intensity
Segment-intensity_Seg.4	75		0	100	Segment-intensity
Segment-intensity_Seg.5	75		0	100	Segment-intensity
Buzzer-intensity	2		0	100	Buzzer-intensity
Device Access Locks Parameter (write) Access	Unlocked				Device Access Locks
Standard Command	Restore Factory Settings				Factory Reset
Device Status	Device is OK		5	255	Device Status
Detailed Device Status [1]	No malfunction		0	3	Detailed Device Status
Detailed Device Status [2]	No malfunction		0	3	Detailed Device Status





presents you

Signal lamp



Signal lamp is capable of generating animation based on process value



5 x 4 LEDs



- Segment 1
- Segment 2
- Segment 3
- Segment 4
- Segment 5

Buzzer





presents you

Signal lamp

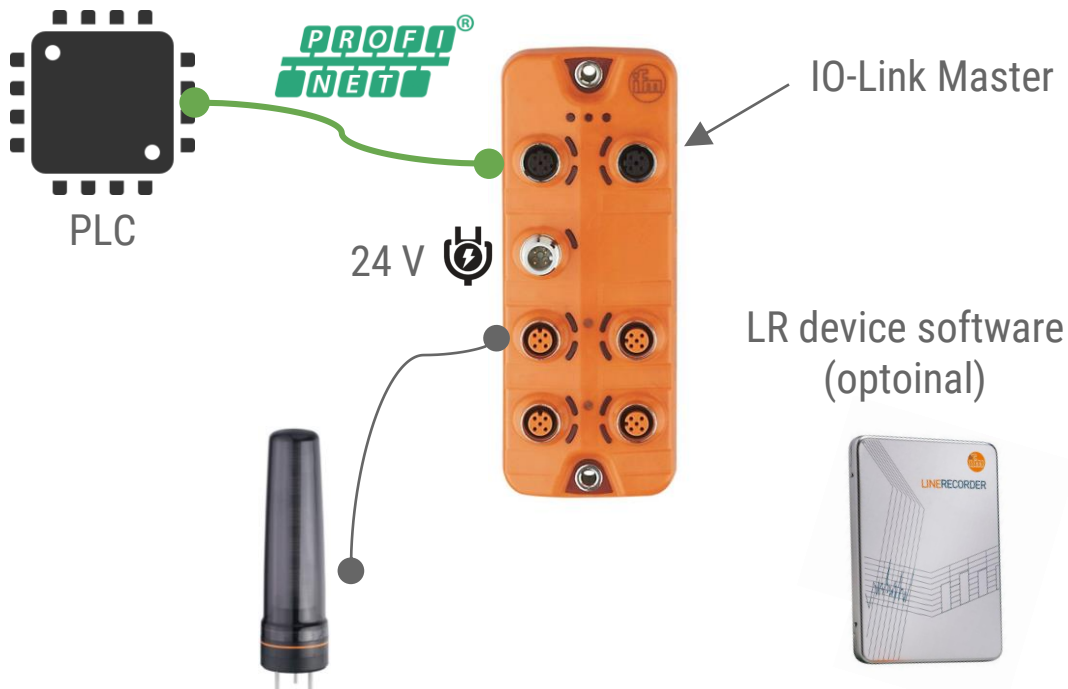
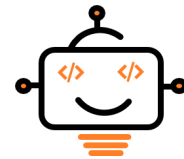


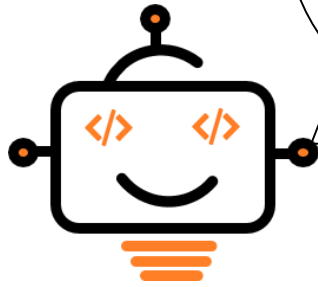
5 x 4 LEDs

- Segment 1
- Segment 2
- Segment 3
- Segment 4
- Segment 5

Buzzer

To program the signal lamp
you need..





INSTALL SIGNAL LAMP AND
MAKE MONITORING SMART
AND FLEXIBLE

To buy **Signal lamp from ifm** visit

<https://goo.gl/4CCFuK>

Link is also given in the video description

