

CL09 warning and information light columns are easy and quick to install. They bring innovation in terms on Leds display and provide a substantial reduction in weight and consumption. They are tailor-made according to the number function to perform.

PG06 PRODUCT DATA SHEET



SPECIFICATIONS

DESCRIPTION

Application

The light column has been created to relay visual and sound information which are destined to the crew in noisy environments. It has to be installed in all noisy areas in order to inform the responsible persons about the safety of the boat.

Advantages

- Easy to install, horizontal and vertical assembling, visibility on both sides
- Choice of pictograms number
- Reduced dimensions
- LEDs' application ; increase average lifetime of the product (> 25 000 h), reduction of energy consumption

Mechanical characteristics

Material

- | | |
|--|--------------------|
| • profile : | extruded aluminium |
| • flashing lights and sirens sheet stand : | transparent PMMA |
| • beacon : | transparent PMMA |
| • flashes and horns : | polycarbonate |
| • junction box : | polycarbonate |

Maximal temperature

- operating temperature : +55°C
- storage temperature : +70°C

Ingress protection

- joint box : IP66, IK08
- conduit gland : IP 68

Dimensions (LxlxH) and weight

- CL09 4V : 4 pictograms 559x204x75 mm, 3.50kg
- CL09 4V 2FS : 4 pictograms + 2 flashing lights and sirens 631x204x125 mm, 3.75kg
- CL09 5V : 5 pictograms 664x204x75 mm, 3.75kg
- CL09 5V 2F2S : 5 pictograms + 2 flashing lights and sirens 846x204x125 mm, 4.00kg
- CL09 6V : 6 pictograms 769x204x75 mm, 4.00kg
- CL09 6V 2F2S : 6 pictograms + 2 flashing lights and sirens 951x204x125 mm, 4.25kg
- CL09 7V : 7 pictograms 874x204x75 mm, 4.25kg
- CL09 7V 2FS : 7 pictograms + 2 flashing lights and sirens 1056x204x125mm 4.50kg

Electrical characteristics

Power supply :

- 24 VDC, -25% +30%

Electrical connecting

- Input by conduit gland PG13 located on the joint box.
- Maximal terminal board section : 1.5 mm²

Characteristics and consumption of principals pictograms and sirens/flashing lights

- Red flashing lights : 35mA
- Yellow flashing light : 35mA
- Sirens : 50mA, tone1=950Hz, tone2 = 2250Hz

(101db at 1m)

PICTOGRAMMES ET COULEURS REGLEMENTES IMO/
PICTOGRAMS & COLORS WITH IMO REQUIREMENTS

PICTOGRAMME / PICTOGRAM	DESIGNATION / SIGNAL	COULEUR FOND / BACKGROUND COLOR	COULEUR PICTO / PICTOGRAM COLOR	CONSOMMATION
	CREW GENERAL ALARM	VERT / GREEN	BLANC / WHITE	36 mA
	FIRE	ROUGE / RED	NOIR / BLACK	56 mA
	CO2	ROUGE / RED	NOIR / BLACK	56 mA
	WATER MIST	ROUGE / RED	NOIR / BLACK	56 mA
	E.R. FIRE	ROUGE / RED	NOIR / BLACK	56 mA
	GAS (+) NAME OF GAS	ORANGE / ORANGE	NOIR / BLACK	91 mA
	MACHINERY ALARM	ORANGE / ORANGE	NOIR / BLACK	91 mA
	ENGINEERS / PERSONNEL ALARM	ORANGE / ORANGE	NOIR / BLACK	91 mA
	BILGE ALARM	ORANGE / ORANGE	NOIR / BLACK	91 mA
	E.R. TELEGRAPH	BLANC / WHITE	NOIR / BLACK	150 mA
	TELEPHONE CALL	BLANC / WHITE	NOIR / BLACK	150 mA
	E.R. CALL	BLANC / WHITE	NOIR / BLACK	150 mA

PICTOGRAMMES ET COULEURS NON REGLEMENTES IMO/
PICTOGRAMS & COLORS WITHOUT IMO REQUIREMENTS

PICTOGRAMME / PICTOGRAM	DESIGNATION / SIGNAL	COULEUR FOND / BACKGROUND COLOR	COULEUR PICTO / PICTOGRAM COLOR	CONSOMMATION
	HALON	COULEUR A DEFINIR	COLOR SET	
	HI FOG	COULEUR A DEFINIR	COLOR SET	
	3 MINUTES	COULEUR A DEFINIR	COLOR SET	
	MANNED	COULEUR A DEFINIR	COLOR SET	
	IMACS	COULEUR A DEFINIR	COLOR SET	
	SOS	COULEUR A DEFINIR	COLOR SET	
	TELEPHONE CALL	COULEUR A DEFINIR	COLOR SET	
	FM200	COULEUR A DEFINIR	COLOR SET	
	TEXT	COULEUR A DEFINIR	COLOR SET	
	TEXT	COULEUR A DEFINIR	COLOR SET	
	NOVEC	COULEUR A DEFINIR	COLOR SET	

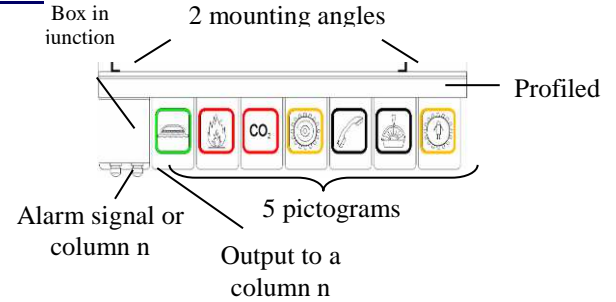
Regulation

The light column complies with :

- IMO A686 (17) resolution,
- IMO A830 (19) resolution,
- Rules for the Classification of Steel Ships (2006), BUREAU VERITAS approval in progress.

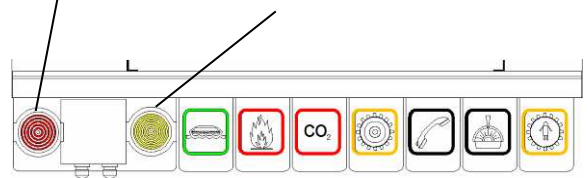
Extract of the light column presentation

CL09 7V



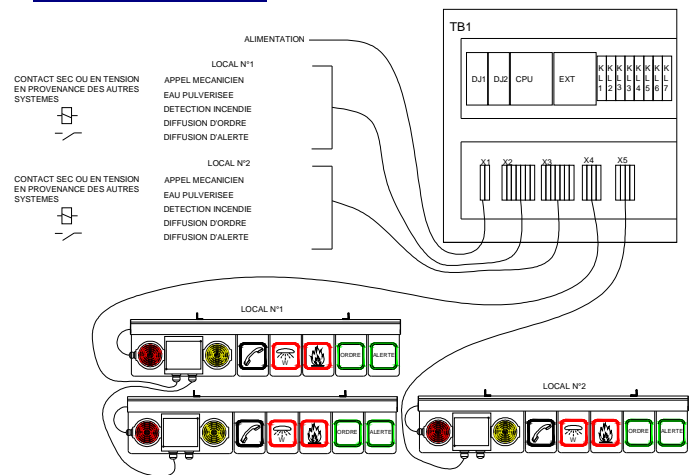
CL09 7V 2FS

Red flashing light and siren tone 1, Yellow flashing light and siren tone 2



Principle of light column connecting with CL09CU10 card

Example of connecting



Application

The controller card of the light columns is designed to relay information between equipment on board and light column.

It serves to synchronise the flashing light and sirens sequences according to the triggered alarms and their priority.

It provides a function test of test by chase, possesses output protections against short circuit and has efficiency visualisation by leds (power supply, input, output)

Composition

CL09CU10 card allows to get pre-programming normalized sequences by selection with a switch.

It is possible to link 10 CL09V2FS columns.

It gets:

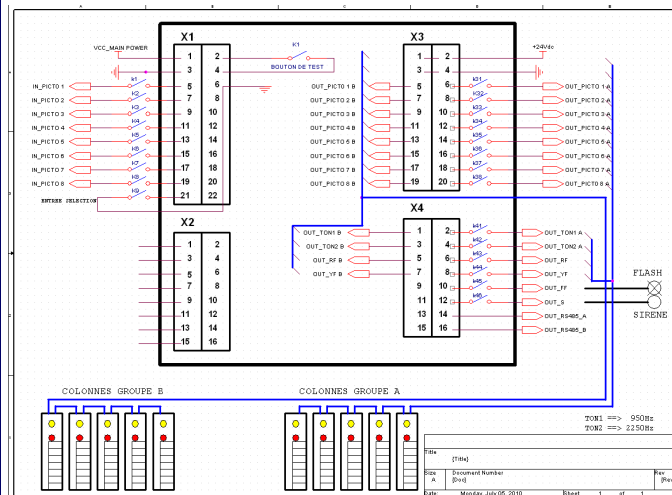
- 8 command inputs for pictograms (24Vdc or dry contact), 1 selection input column group (group A or group B), 1 test input for columns
- 16 pictograms output (2 groups of 8, 1A max), 4 output sirens, 4 flashing lights output (yellow/red), 1 factory output (100mA max), 1 factory flashing light (100mA max)
- 1 communication RS485 input for extension carts
- 2 RS485 extension carts and VDR

Mechanicals features

- Fixation on DIN rail, dimensions : 175x120mm

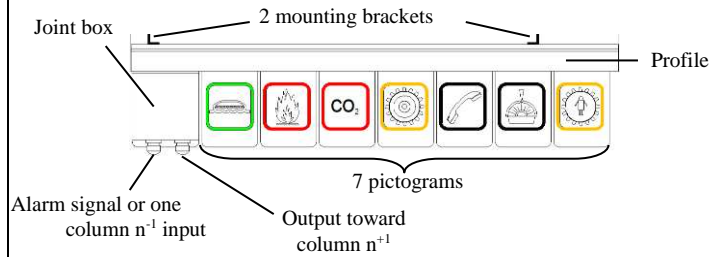
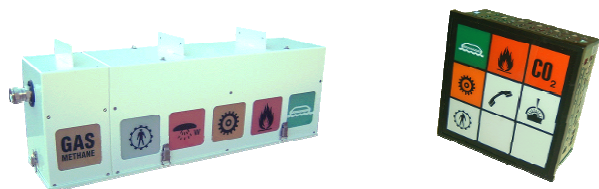
Electrical

- Power supply : 24VDC -25% +30%
- Consumption : 0.1A to 0.8A
- Connection on 1.5mm² spring terminal



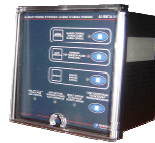
ADF version and remote light panel in 144x144 box

RAMPADF5V



MARINELEC Technologies associated products

AURIGA LC



DI09



/CARINA



LYNX V3+



SUPERVISION



ORIONV2

