

SIGNALIZATION SYSTEM

SIGNALIZATION SYSTEM is applied on board ships and particularly within the area of engine room, where requirements for several alarms signalization by visual and/or audible means exist. The SIGNALIZATION SYSTEM has been developed having in mind the basic idea of unifying all the alarms signalization within one common system.

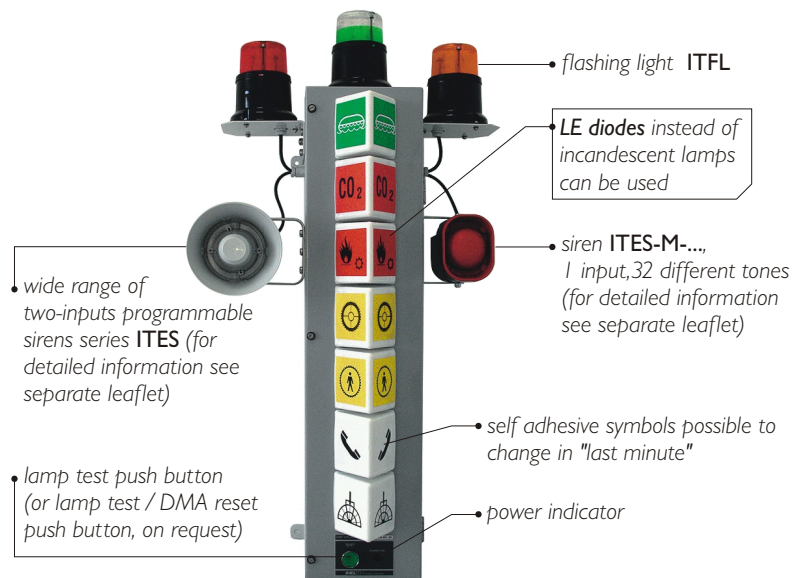
THE NEW GENERATION OF LIGHT COLUMNS use LE diodes instead of incandescent lamps.

SIGNALIZATION SYSTEM meets requirements of IMO, ISO, SBG and all major classification societies.

WE ARE AT YOUR DISPOSAL to deliver each part of the system separately, to meet any modification and special requirement, to perform complete engineering.

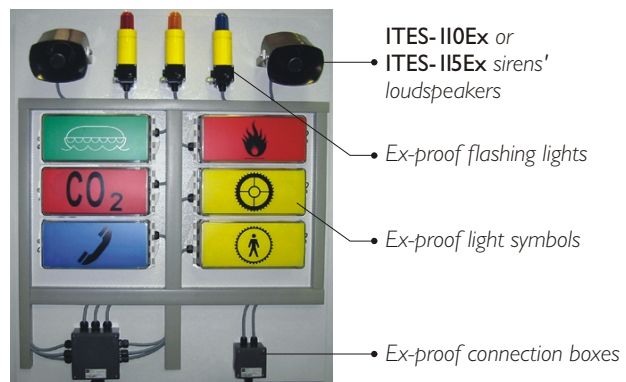
LIGHT COLUMNS

- light columns (semaphores) for bulkhead mounting in engine room spaces
- up to 12 symbols
- with or without flashing lights
- with or without sirens / loudspeakers
- power supply 230V,AC or 110V,AC or 24V,DC
- protection IP 54
- bulkhead mounting



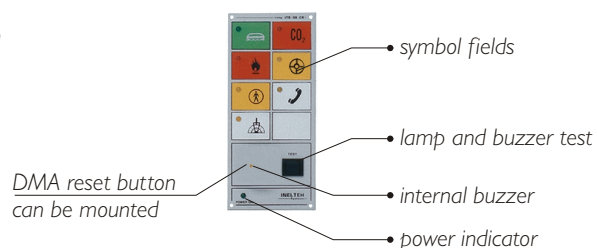
EX SEMAPHORES

- our range of light columns (semaphores) also include versions for dangerous area where different number of symbols, sirens and/or flashing lights can be chosen



LIGHT PANEL

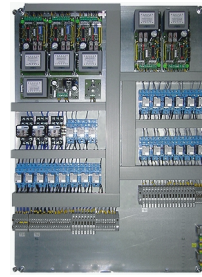
- light panel for mounting in Engine Control Room (ECR)
- from 2 up to 8 symbols
- lamp test incorporated
- audio signalization (buzzer) incorporated
- power supply 24V,DC
- flush mounting (bulkhead on special request)



CONTROL UNIT ITCU

- signal processing
- double supply possibility (main and emergency) with automatic change-over
- comprise electronic units of sirens (if exist)
- bulkhead mounting or mounting within console

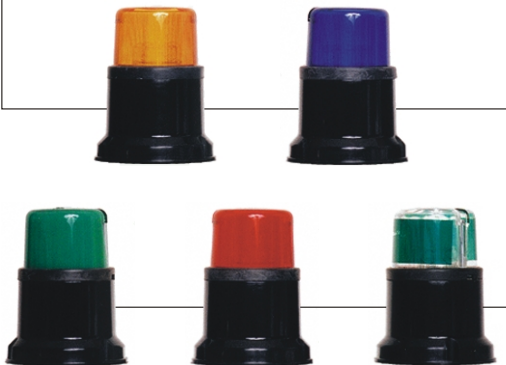
- ALARM INPUTS:**
- General Alarm
 - Fire Alarm
 - CO₂ release alarm or FOAM
 - Machinery alarm
 - DMA
 - Telephone call alarm
 - Telegraph alarm
 - Bilge alarm



- ALARM OUTPUTS:**
- to semaphores
 - to flashing lights
 - to sirens

FLASHING LIGHTS

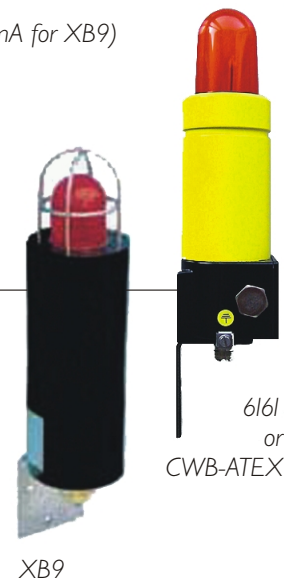
STANDARD FLASHING LIGHT ITFL



- Power supply / consumption: 12V,DC / 0.8A; 24V,DC / 0.5A; 110V,AC / 0.2A; 230V,AC / 0.1A
- Approx. 60 flashes per minute
- Temperature range -20°C/+55°C
- Flashing energy 6J
- IP protection IP 54
- Weight approx. 0.27 kg
- Colours: red, amber, blue, green, white, green-white
- Steel support can be delivered (on request)

EX-PROOF FLASHING LIGHT

- Type: 6l6l or CWB-ATEX or XB9
- Explosion protection: EEx de IIC T5/T6 (EEx d IIC T5/T6 for XB9)
- Power supply: 230V,AC
- Consumption: 80mA (60mA for XB9)
- Flashing power 5J
- Primary fuse 0.20AT
- Protection IP 66
- Weight approx. 1.6 kg
- Colours: red, amber, blue, green



AUDIBLE SIGNALIZATION (for detailed information see separate leaflet)

PROGRAMMABLE ELECTRONIC MULTITONE SIRENS ITES-...

wide range of two-inputs programmable sirens



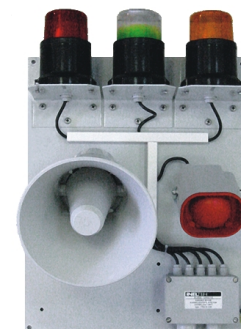
ELECTRONIC MULTITONE SIREN ITES-M-...

with one input 32 different tones

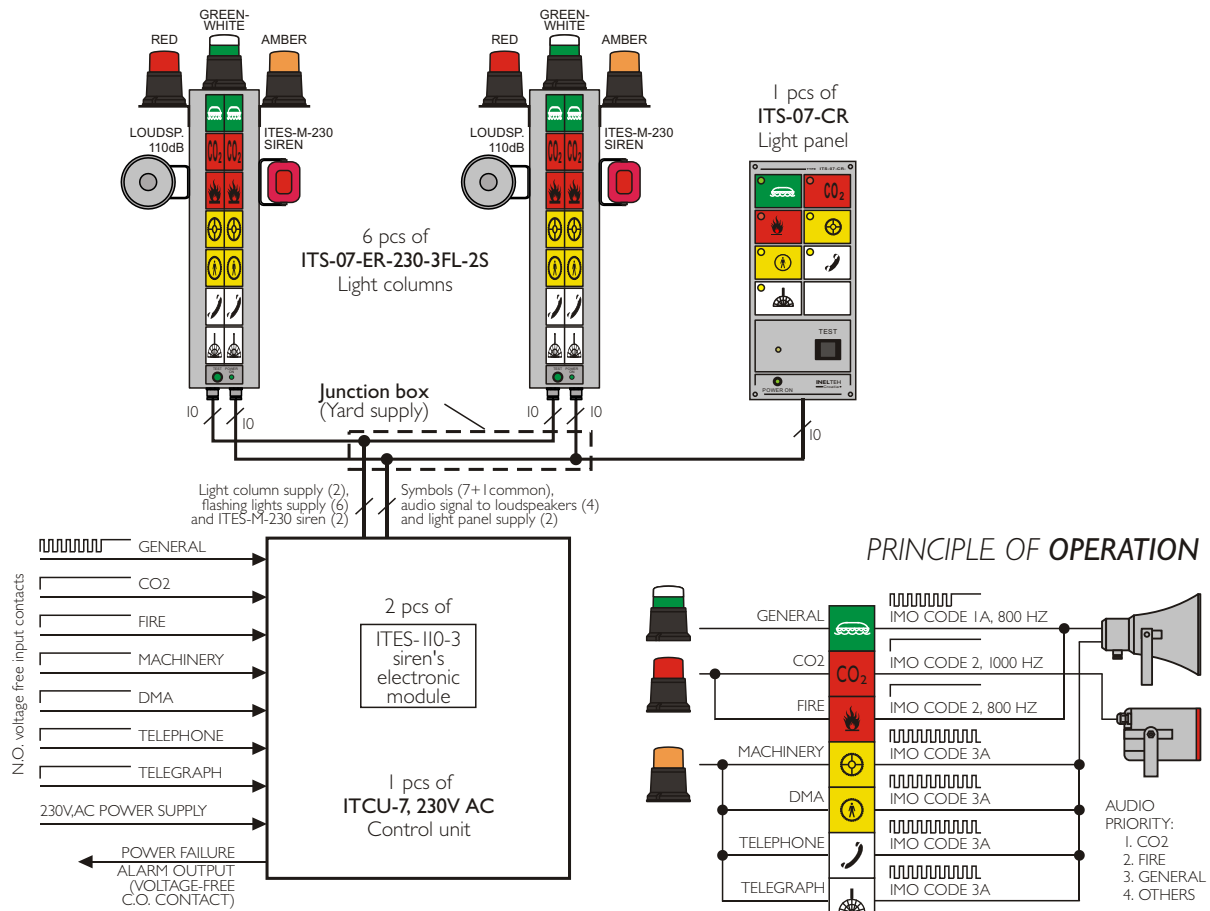


SIGNALLING UNITS

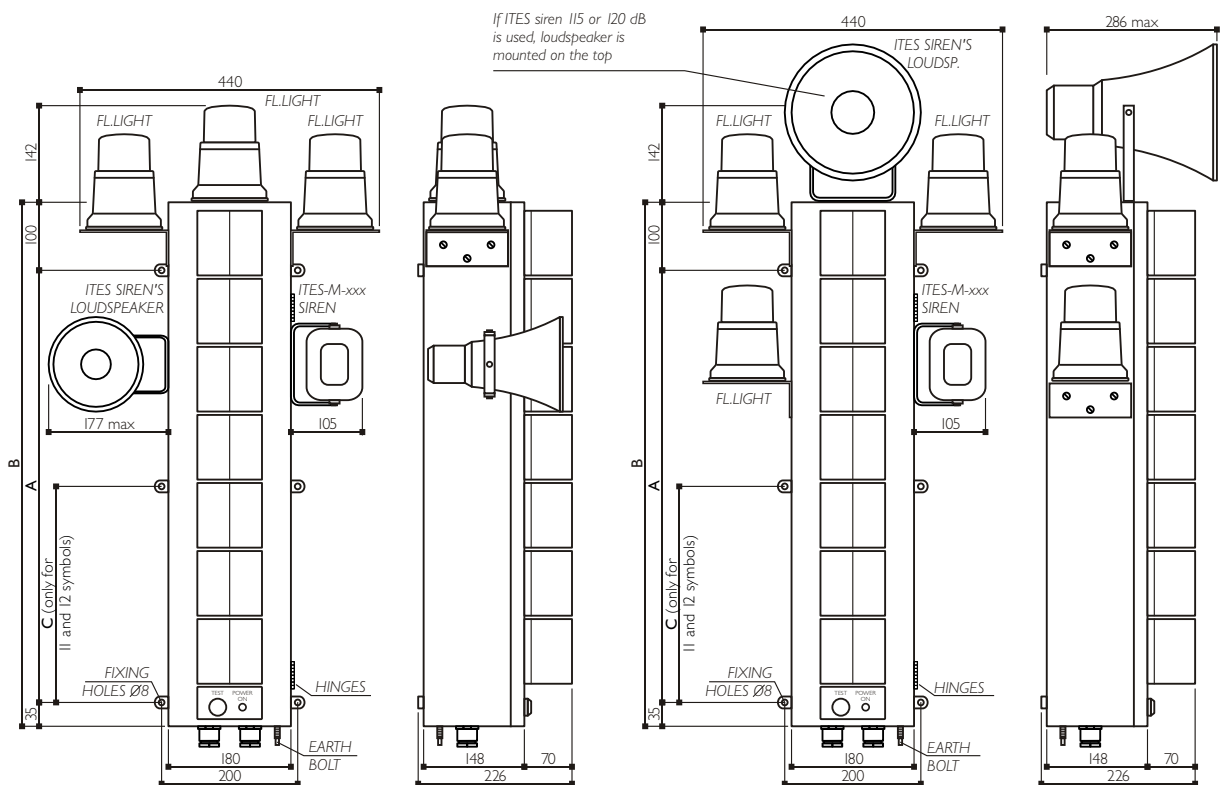
- various signalling units for different alarm purposes
- different visual and audio alarms to suit your needs



ENGINE ROOM ALARM INDICATION SYSTEM **BLOCK DIAGRAM (EXAMPLE)**



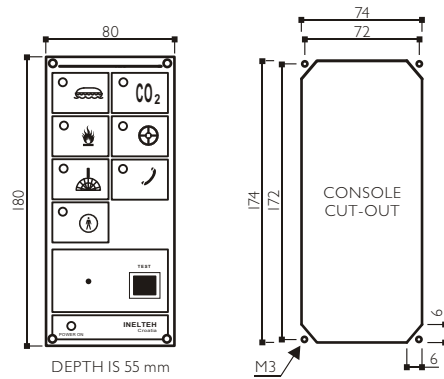
LIGHT COLUMN DIMENSIONS



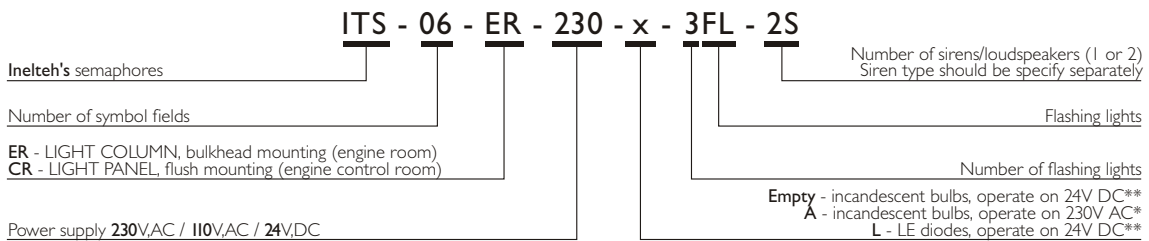
LIGHT COLUMNS DIMENSIONS

Number of symbols	A (mm)	B (mm)	C (mm)
3	335	470	-
4	335	470	-
5	535	670	-
6	535	670	-
7	635	770	-
8	735	870	-
9	835	970	-
10	935	1070	-
11	1035	1170	517.5
12	1135	1270	567.5

LIGHT PANEL DIMENSIONS



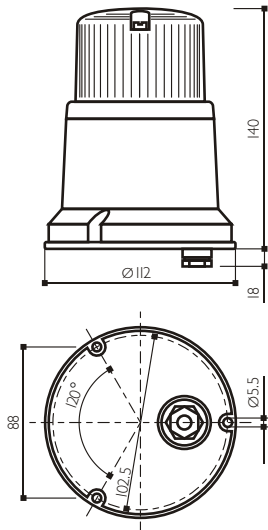
LIGHT COLUMNS and LIGHT PANEL ORDERING INFORMATION



* Lamp test and power indication are not incorporated for 230V AC.
** If light column supply is 230V AC, light bulbs or LE diodes operate on 24V DC over incorporated rectifier 230/24V. Lamp test and power indication for each light column are incorporated.

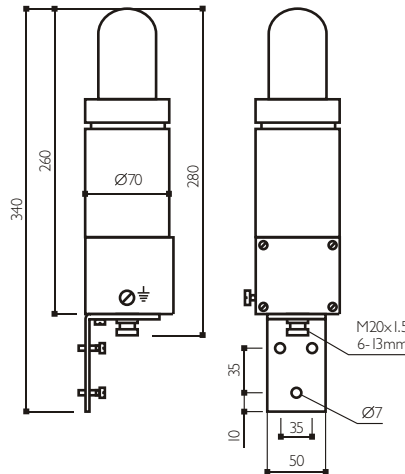
FLASHING LIGHTS DIMENSIONS

STANDARD FLASHING LIGHTS
ITFL

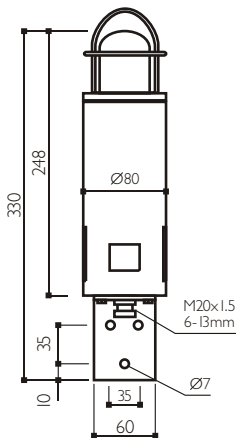


EX-PROOF FLASHING LIGHTS

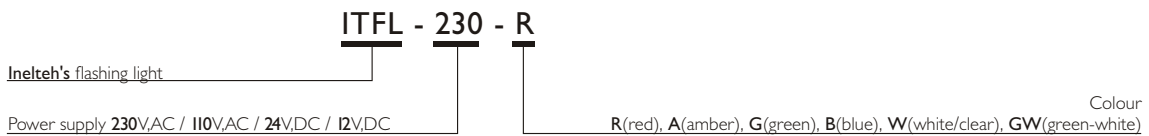
6161 or CWB-ATEX



XB9



FLASHING LIGHT ITFL ORDERING INFORMATION



All dimensions are in mm.