

CALLING SYSTEM type ITCS

Information: ITCS, standard , 11112010

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CALLING SYSTEM type ITCS

Calling system type ITCS is designed for using on board ships, primary for calling from hospital and/or refrigerating room, but it can be used for any type of call.

System comprises:

- Control unit type **ITCS-1** for single call (for example "CALL FROM HOSPITAL" or "CALL FROM REFRIGERATING ROOM") or **ITCS-2**, control unit for double call ("CALL FROM HOSPITAL AND REFRIGERATING ROOM")
- Calling units type ITCS-C1, ITCS-C2 and/or ITCS-C3
- Repeater unit type ITCS-R
- Signaling unit type ITCS-S

PRINCIPLE OF OPERATION

By operating "POWER" switch on the control unit ITCS-1 (ITCS-2), power supply is turned on. Pressing push button "CALL" situated on the calling unit ITCS-C1, ITCS-C2 or ITCS-C3, call starts. Audio and visual alarm is on. Pressing the "ACCEPT" button on the control unit ITCS-1 (ITCS-2) or repeater unit ITCS-R call is accepted and reset. Audio and visual signalization is switched off and system is ready to proceed new call.

TECHNICAL CHARACTERISTICS

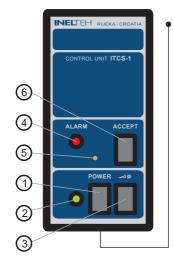
- Power supply: 230V AC or 24V DC (must be specified during ordering)
- Consumption:

Control unit ITCS-1	cca 3W
Control unit ITCS-2	cca 6W
Repeater unit ITCS-R	cca 1W
Signaling unit ITCS-S	cca 0.8W
Calling unit ITCS-C1	cca 0.3W
Calling unit ITCS-C2	cca 0.3W
Calling unit ITCS-C3	cca 0.4W

- Control unit for single ("CALL from HOSPITAL", "CALL from REFRIGERATING ROOM") or double call ("CALL from HOSPITAL and REFRIGERATING ROOM")
- C.O. voltage-free contact (125V/3A) for EXTERNAL ALARM
- C.O. voltage-free contact (125V/3A) for POWER FAILURE ALARM
- Red LE diode and buzzer for call indication
- Calling unit ITCS-C1 with additional push button on cable suitable for using near hospital's bed
- Water resistant (IP 56 protection) calling unit ITCS-C3 suitable for using in refrigerating space
- Illuminated push button on calling unit ITCS-C3 insures visibility in dark spaces
- Control unit for flush or bulkhead mounting
- Peripheral units for bulkhead mounting (flush mounting on special request)

CALLING SYSTEM type ITCS

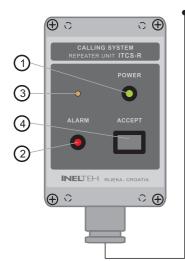
DESCRIPTION and PRINCIPLE of OPERATION



ITCS-1, ITCS-2 ←

- Control unit for indication and acceptance of call
- ITCS-1 for single call; ITCS-2 for double call (same functions but doubled, electrically completely separated)
- Call is indicated by buzzer (5) and red "ALARM" LE diode (4)
- "POWER" switch (1) to turn on/off supply of whole system
- Power ON is indicated by green LE diode (2)
- "DIMMER" switch to reduce intensity of green LE diode (3)
- "ACCEPT" push button for call acceptance (6)
- Relays for external and power failure alarm
- Flush mounting (bulkhead on request)
- Weight: ITCS-1.....0.35kg (24V); 0.94kg (230V)
 ITCS-2... 0.64kg (24V); 1.86kg (230V)





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ITCS-R

- Repeater unit for indication and acceptance of call, used with ITCS-1 or ITCS-2 only
- Call is indicated by buzzer (3) and red "ALARM" LE diode (2)
- Power ON is indicated by green LE diode (1)
- "ACCEPT" push button for call acceptance (4)
- Bulkhead mounting (flush on request)
- Weight: 0.26kg

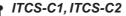
ITCS-S •-

- Signaling unit for indication of cal
- Call is indicated by buzzer (2) and red "ALARM" LE diode (1)
- Both, audio and visual alarm are present until call is accepted
- Bulkhead mounting (flush on request)
- · Weight: 0.24kg

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- Calling unit, used for call from hospital room
- Push button "CALL" for calling (2)
- ITCS-C1 with additional push button on cable (1) suitable for using near hospital's bed; ITCS-C2 (same functions but without push button on cable)
- Call is indicated by red LE diode (3)
- Bulkhead mounting (flush on request)
- Weight: ITCS-C1.....0.34kg
 - ITCS-C2.....0.21kg



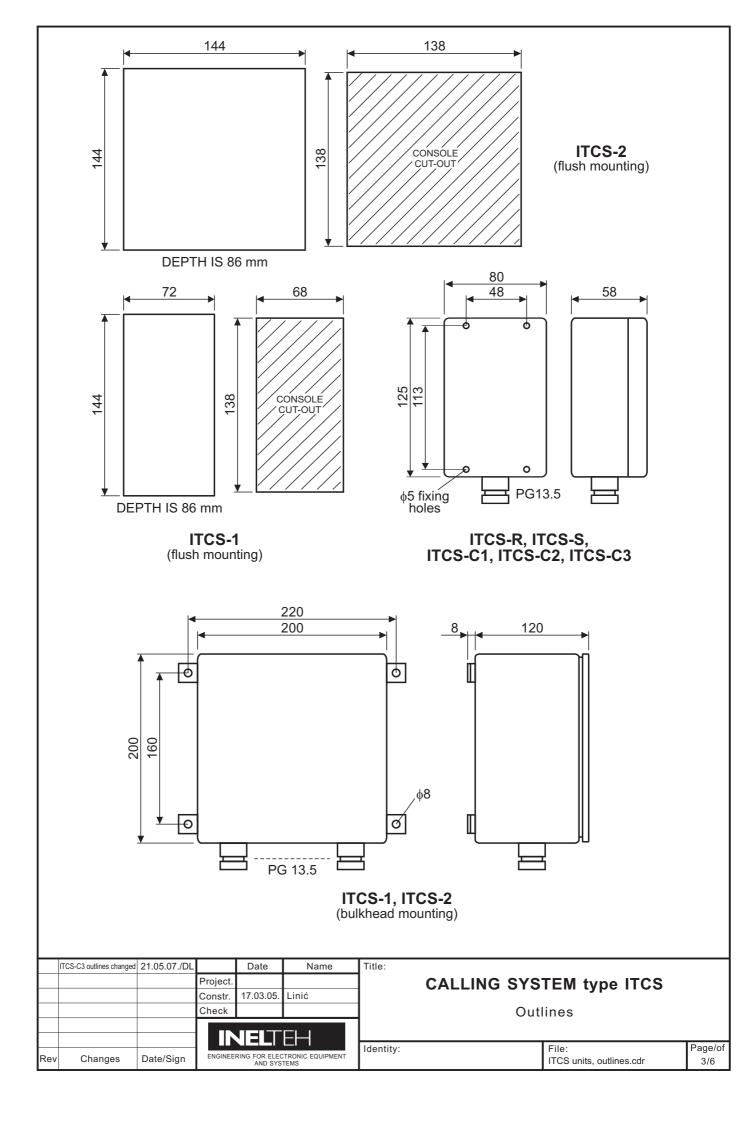
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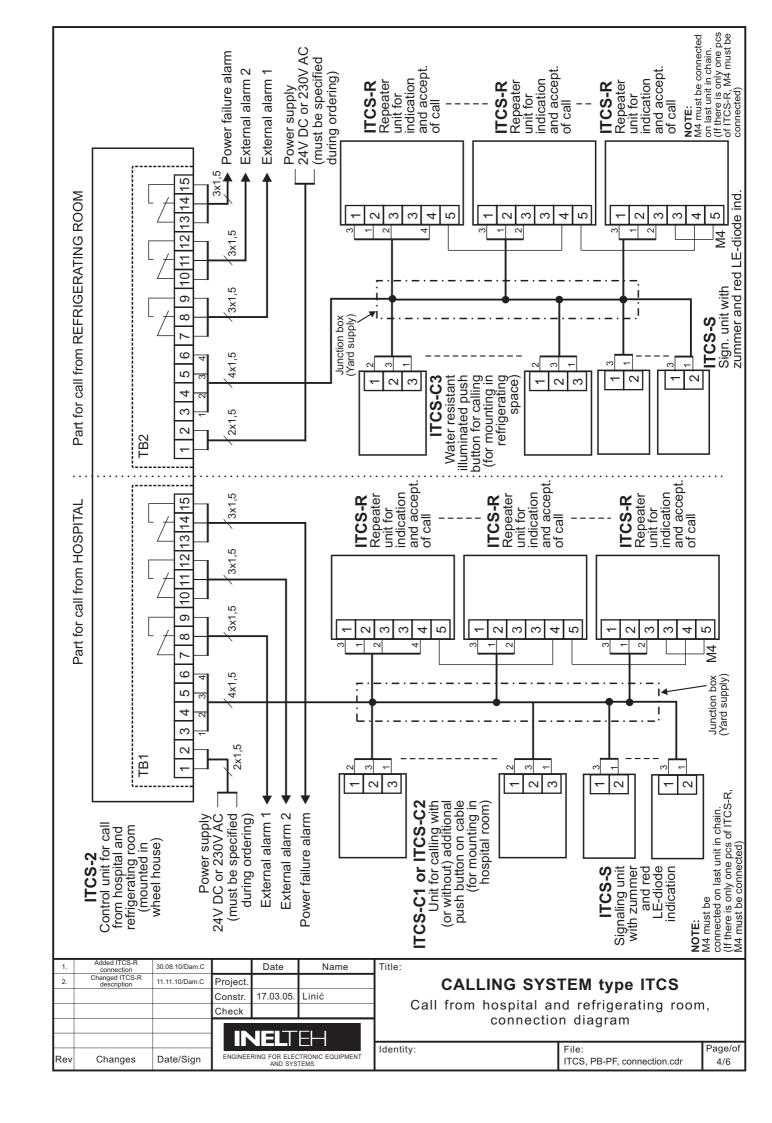
ITCS-C3 •

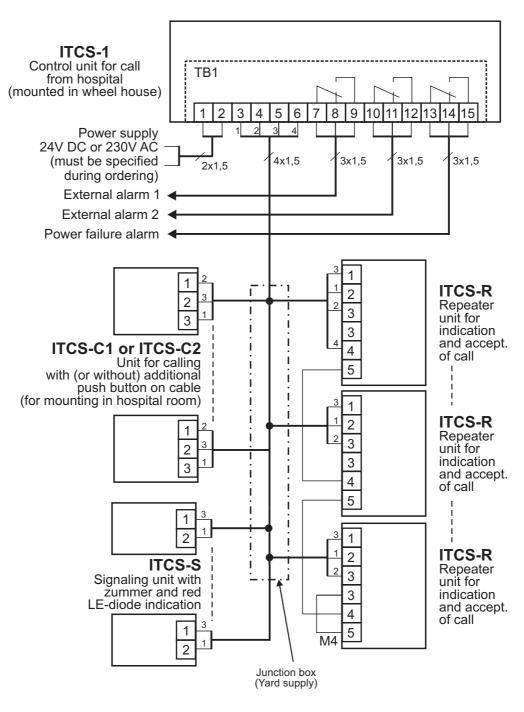
- Calling unit used for call from refrigerating room
- Water resistant (IP 56) illuminated push button for calling
- Green bulb in push button lights all the time (when system is on), to insure visibility in dark spaces
- Bulkhead mounting (flush on request)
- Weight: 0.23kg



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NOTE:

M4 must be connected on last unit in chain.(If there is only one pcs of ITCS-R, M4 must be connected)

1.	Added ITCS-R connection	30.08.10/Dam.C		Date	Name	ľ
2.	Changed ITCS-R description	11.11.10/Dam.C	Project.			
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Rev	Changes	Date/Sign	ENGINEERING FOR ELECTRONIC EQUIPMENT AND SYSTEMS			

CALLING SYSTEM type ITCS

Call from hospital, connection diagram

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