

CONTROL LIGHT BOX



INSTALLATION AND USER MANUAL

OBCLT_16.09_EN

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1. INTRODUCTION

The control light allows to manage 3 LUMINOUS AREAS (15 leds per area) and the BUZZER, in an independent manner, taking advantage of the TTL logic.

2. PRECAUTIONS

- Read and keep the following instructions.
- To clean the control light box use a damp cloth.
- Do not use the control light box near water.
- Place the control light box in such a manner so that the cables connected to it will not be damaged.
- Make sure that the maximum current absorbed by the control light box is not greater than the maximum current admitted by the type of cable used for the power supply.
- Do not put objects inside the control light box since these may short circuit or damage parts which may compromise the functioning of the control light itself.
- Do not meddle with the control light box.

3. MAIN FEATURES

- Luminous indication with 3 groups of 15 Leds each;
- Acoustic signal through the buzzer (PMax = 86dB).

NOTE: Upon start-up the version of the installed software is displayed.

4. POWER SUPPLY

MAXIMUM 7,5 Volt DC
MINIMUM 5,5 Volt DC

NOTE: The intensity of the LEDs is fixed and not tied to the power supply tension.

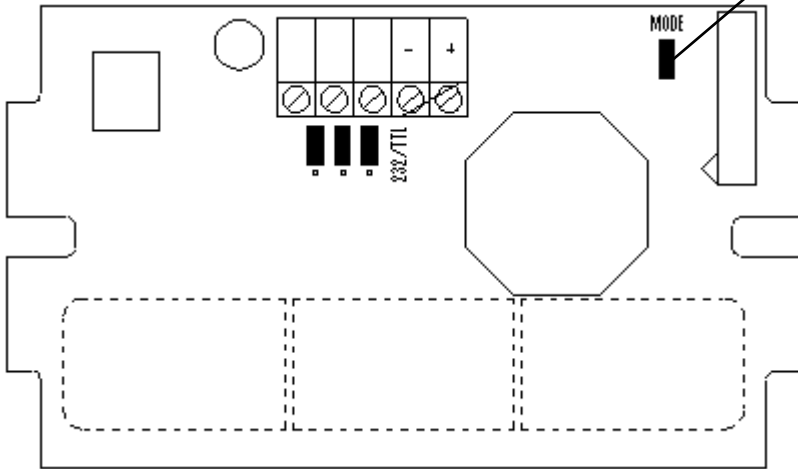
5. ABSORPTION

MAXIMUM 320 mA (3 luminous areas (therefore 45 LEDs) on + buzzer)
TYPICAL 140 mA (just 1 luminous area (therefore 15 LEDs) on).

6. CONTROL LIGHT BOX CONNECTIONS

6.1 CONFIGURATION OF THE CONTROL LIGHT JUMPERS

- Make sure that the 4 jumpers are positioned like in the drawing: CLOSED



6.2 CONTROL LIGHT – 3590E MOTHERBOARD CONNECTION SCHEME

The connection between the control light box and the indicator is shown below:

CONTROL LIGHT BOX CABLE

BOX CABLE CONNECTOR	OBJECT	WIRE CONN.	3590E
3	AREA 3 (RED LEDS)	RED	9 (OUT 3)
4	AREA 2 (GREEN LEDS)	GREEN	8 (OUT 2)
5	AREA 1 (YELLOW LEDS)	YELLOW	7 (OUT 1)
6	BUZZER	BLACK	24 (OUT 3)
6-BIS	BUZZER	BLACK	26 (OUT 1)
	WIRE		4 (GND) – 6 (OUT COM)

POWER SUPPLY CABLE (CONTROL LIGHT BOARD POWERED BY 3590M3)

POWER SUPPLY	WIRE COLOUR	3590E
+	RED	5 (VAUX+)
-	BLACK	4 (GND)

Set “EXTERNAL” power supply on:
SETUP→SERIAL→COMPRN→PWRPRN→PWREXT

6.3 CONTROL LIGHT – DFW MOTHERBOARD CONNECTION SCHEME

The connection between the control light box and the indicator is shown below:

CONTROL LIGHT BOX CABLE

BOX CABLE CONNECTOR	OBJECT	WIRE CONN.	DFW
3	AREA 3 (RED LEDS)	RED	1 (RL3) exp.2
4	AREA 2 (GREEN LEDS)	GREEN	2 (RL2) exp.1
5	AREA 1 (YELLOW LEDS)	YELLOW	1 (RL1) exp.1
6	BUZZER	BLACK	1 (RL3) exp.2
6-BIS	BUZZER	BLACK	1 (RL1) exp.1

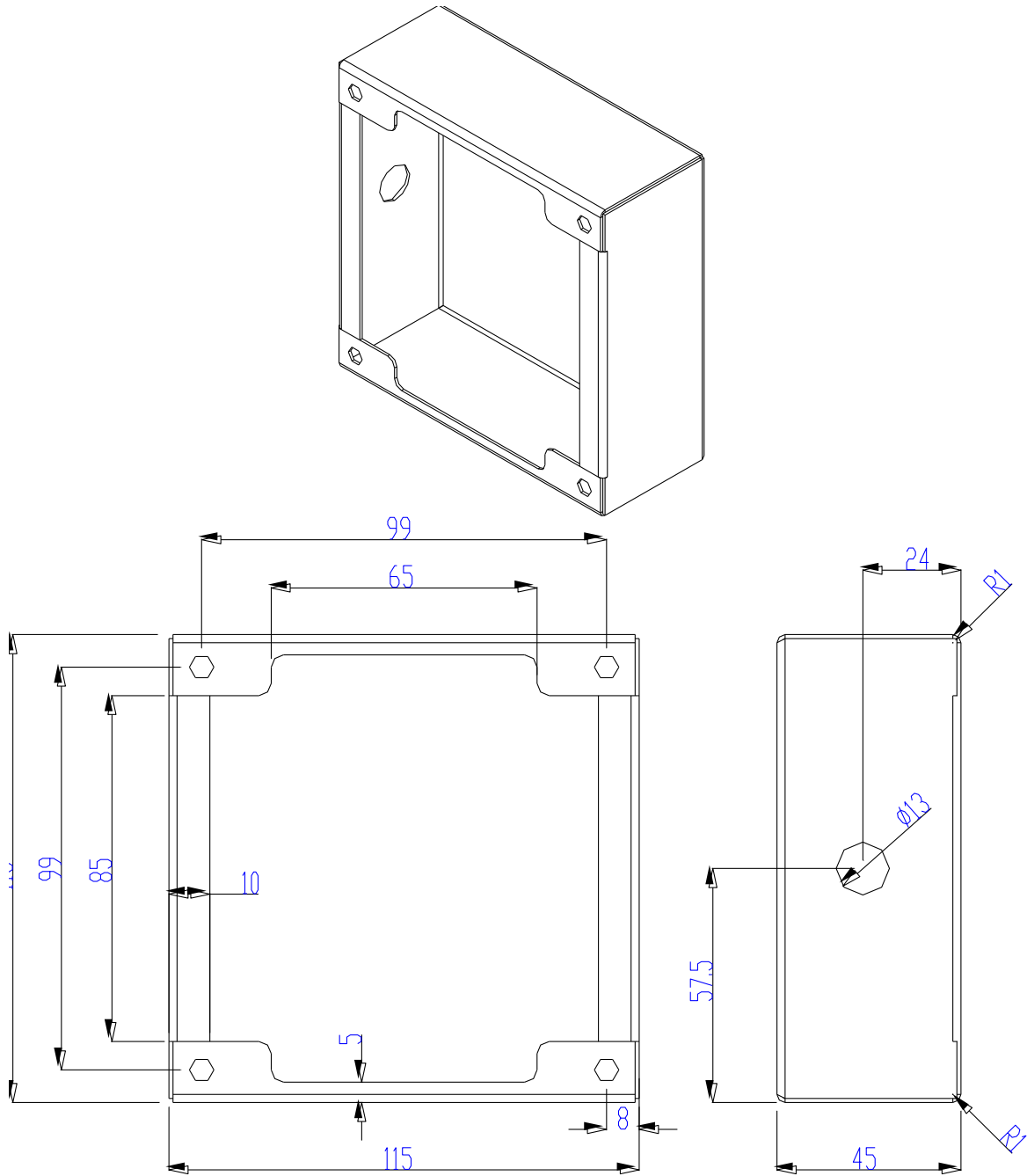
POWER SUPPLY CABLE (CONTROL LIGHT BOARD POWERED BY DFW)

POWER SUPPLY	WIRE COLOUR	DFW
+	RED	2 (V+) or AUX +
-	BLACK	1 (GND) or AUX -

!!!IMPORTANT!!!

One should ground the common of the relays; if one uses an external adapter one should connect the common of the relays to the signal of this power adapter.

7. CONTROL LIGHT DIMENSIONS



DECLARATION OF CONFORMITY

This device conforms to the essential standards and norms relative to the applicable European regulations. The Declaration of Conformity is available in the web site www.diniargeo.com

WARRANTY

The instrument has a ONE-YEAR warranty from the date of delivery. This includes labour and parts free of charge for INSTRUMENTS THAT ARE DELIVERED TO THE SELLER'S MAIN OFFICE and applies only if the breakdown is NOT attributable to the purchaser (for example, due to improper use) and is NOT attributable to the shipping.

If on-site service is requested (or is necessary) for any reason, the technician's travel expenses will be the purchaser's responsibility: travel time and travel expenses as well as board and lodging (if necessary).

If the instrument is shipped through a shipping company, the round-trip shipping expenses are the buyer's responsibility.

This WARRANTY IS VOID if breakdowns result from service performed by unauthorized personnel, if the unit is connected to equipment that was installed by others, or if the connection to the power mains was made incorrectly.

Absolutely NO compensation WILL BE PAID for direct or indirect damage to the purchaser resulting from total or partial loss of functioning of the instruments or systems sold, even if said loss of functioning takes place during the warranty period.

AUTHORIZED SERVICE CENTRE STAMP

