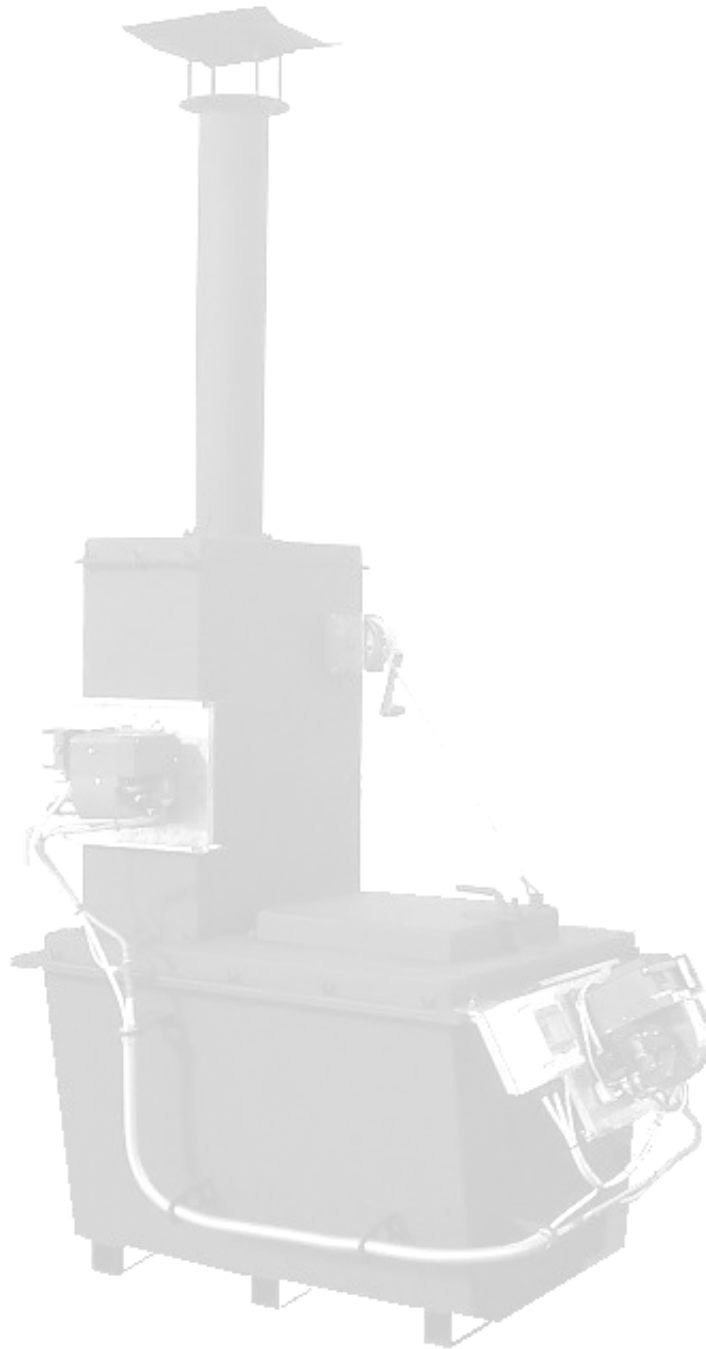


TURKINGTON INCINERATORS FROM **thermsaver**

## T1 & T3 INCINERATOR MANUAL



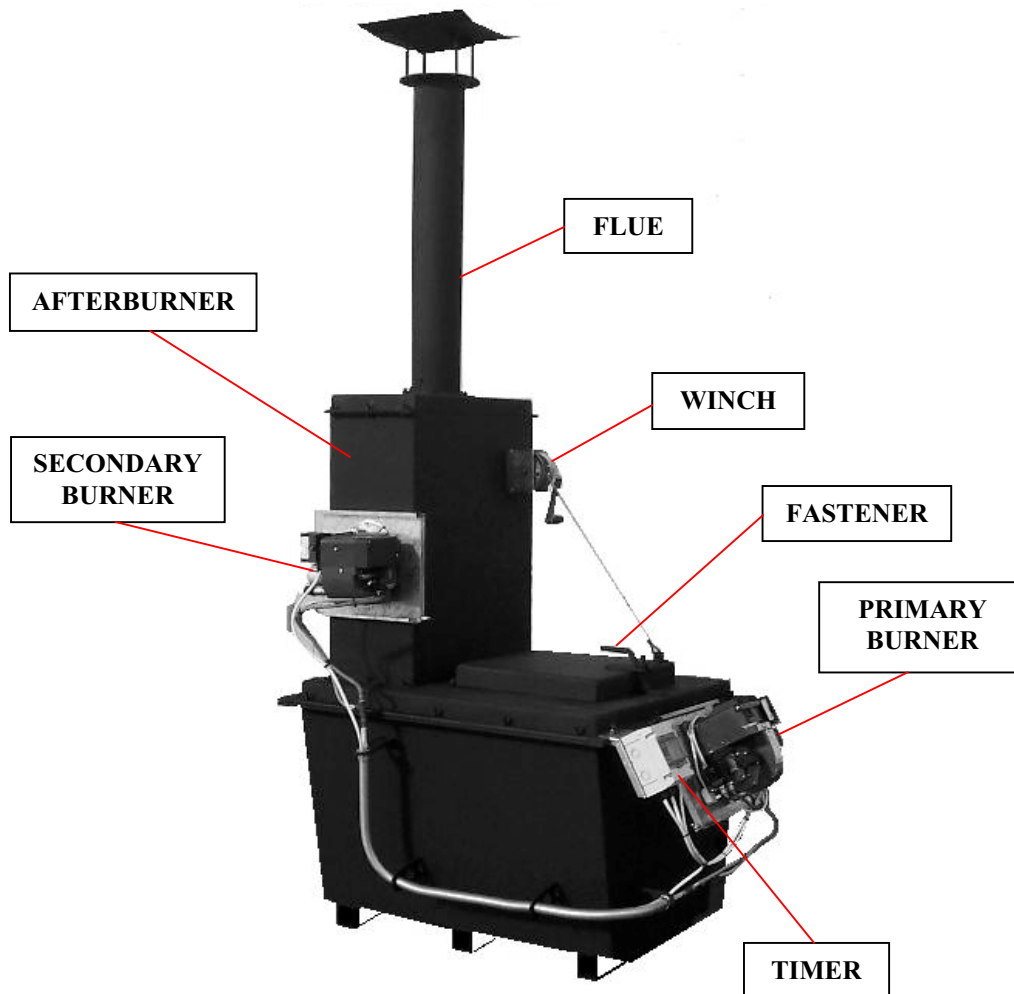
# T1 & T3 INCINERATOR

Thank you for choosing our INCINERATOR please read the following carefully.

## ASSEMBLY

The incinerator is delivered with **FLUE** removed.

1. Place incinerator in desired position.
2. Assemble **FLUE** by removing nuts on top of **AFTERBURNER** lift into position as indicated below, replace nuts and tighten.



## INSTALLATION

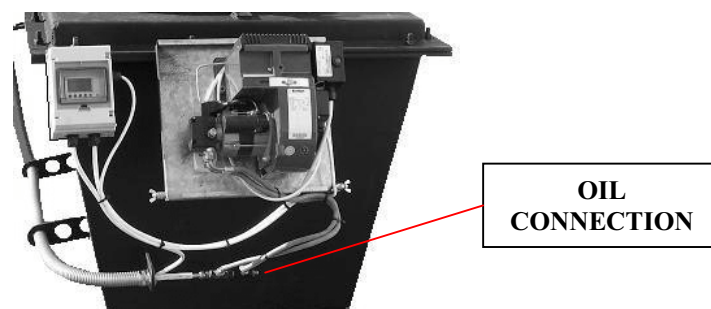
- **CONNECTING OIL SUPPLY**

Connect oil supply at point indicated below.

A fire valve and filter must be fitted in the oil supply line.

Fuel: Kerosene 28 second.

Tank should be 900 mm./ 1000 mm. above ground level.



# T1 & T3 INCINERATOR

- ELECTRICAL CONNECTION

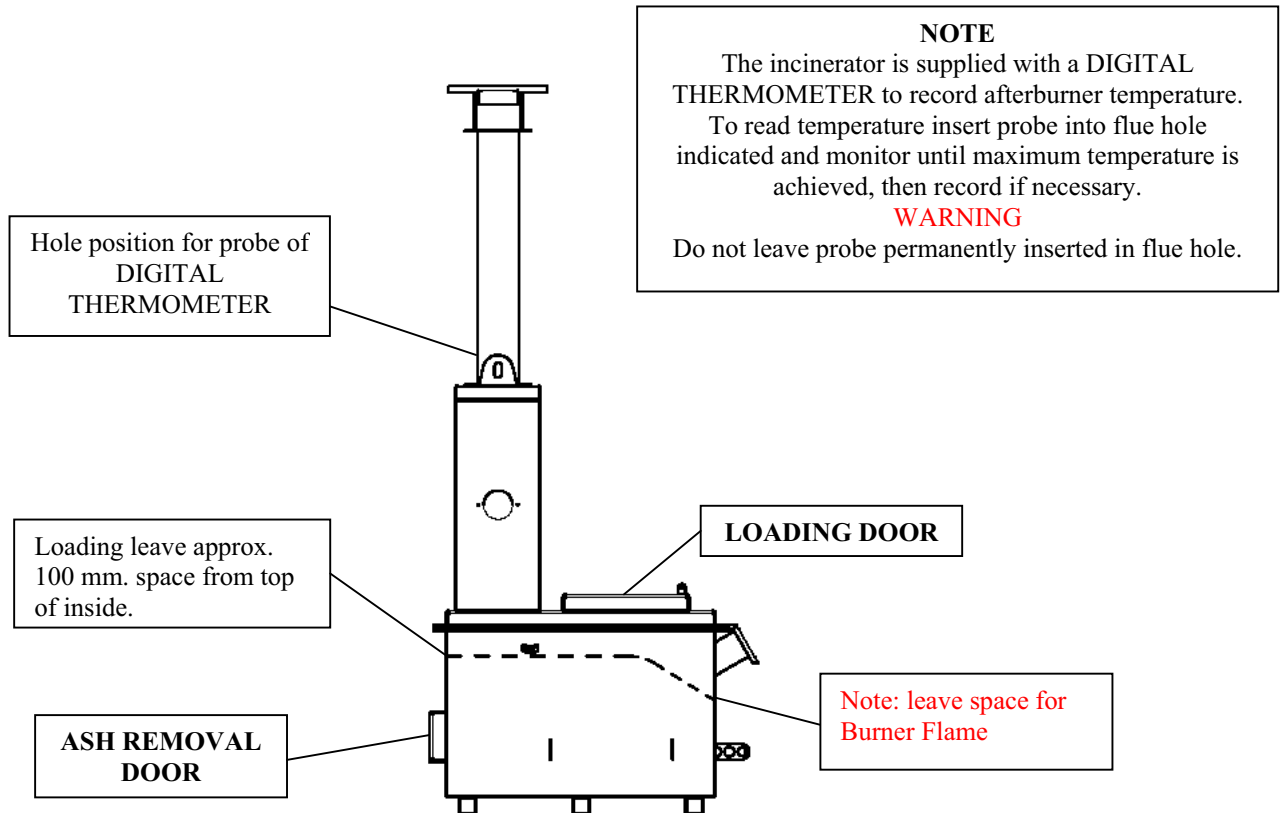
The electrical supply to the incinerator should be wired using a double pole-isolating switch 240V/50Hz fused 5 amp ensuring it is weather proof. (See wiring diagram)

## USER INSTRUCTIONS

- LOADING

TO LOAD: open **LOADING DOOR** by unscrewing fastener and **WINCH** using crank handle (refer to crank rotation decal) After loading lower door with winch ensuring fastener is tightened.

**WARNING:** During operation do not touch surfaces as they may be **HOT**.

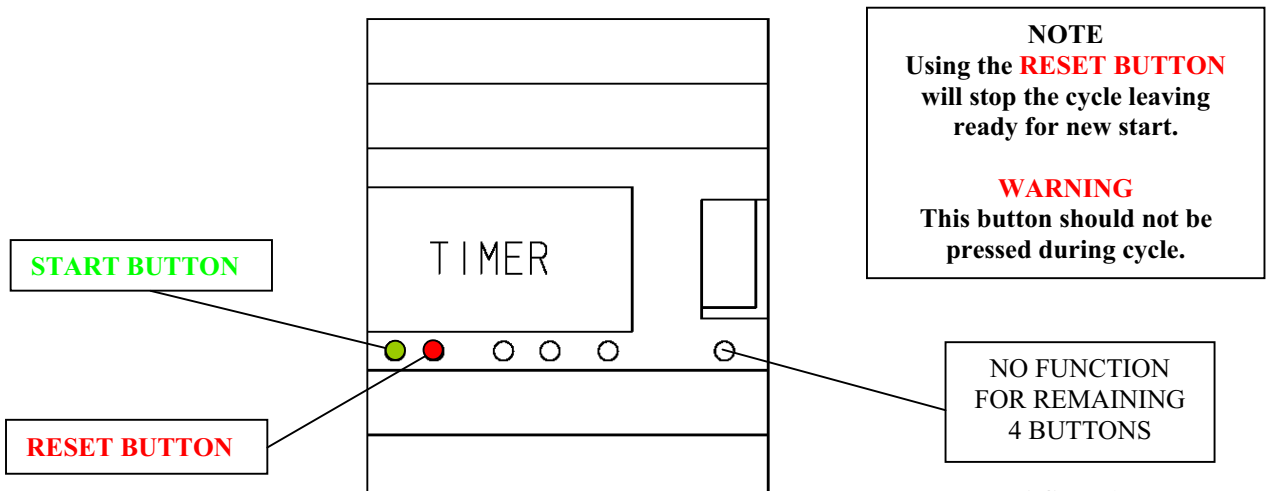


- SWITCHING INCINERATOR ON

To start incinerator operations press **START BUTTON** as shown in diagram below.

This will allow the following procedure:

1. Afterburner (secondary burner) will fire for 17 mins. reaching a temperature of 850° C
2. The primary and secondary burner will fire for another 3½ hours.
3. The primary and secondary burner fans only for 2 hours allowing cooling time.



# T1 & T3 INCINERATOR

## • SWITCHING INCINERATOR OFF

The incinerator will switch off automatically at end of cycle.

**WARNING** In the event of power failure because the cycle has stopped the heat may cause damage to the burners. In order to protect the burners they may need removing.

This also applies if the **RESET BUTTON** is pressed on the timer when the incinerator is burning.

## • BURNER LOCKOUT

The burner has an independent control system (burner control box), this includes a flame detector (photocell) which senses the presence of a flame.

In the event of flame failure, the burner control box activates a second re-ignition sequence. Should the photocell not detect a flame presence within 15 seconds the burner goes to LOCKOUT and shuts down. Continued LOCKOUTS are a result of a fault and can be attributed to following examples:

- An interruption of the fuel supplies.
- Electrical supply fault e.g. extreme low voltage.
- Failure of a burner component.
- A fault within the control system.

The burner reset button on the burner control box illuminates to indicate that a lockout has occurred.

In the event of the burner locking out, do not attempt to restart by pressing the reset button on the burner control box for at least 2 minutes.

## • RESTARTING AFTER LOCKOUT

When lockout has occurred, inspect for any obvious causes e.g. oil leaks.

Also check the fuel line from the tank to the incinerator and that any oil shut off valves has not been inadvertently closed.

- Press the illuminated reset button which will go out and the burner will commence the ignition start sequence. After 15 seconds the burner should fire normally. Note: should the burner not start the burner-reset button will illuminate again.
- Wait at least 2 minutes and depress the reset button again.

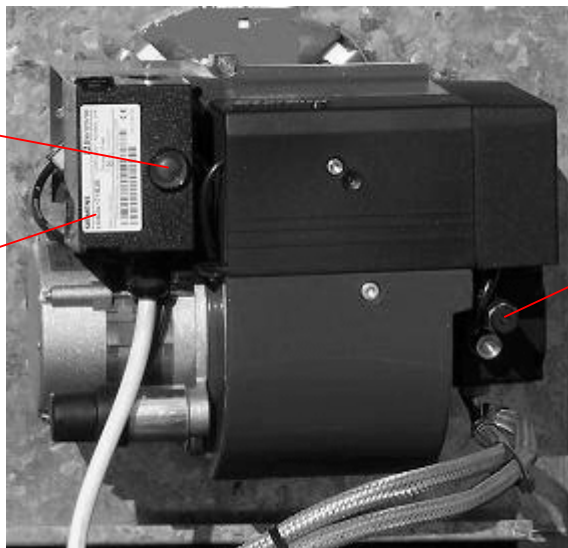
Failure to start after 3 or 4 times indicates a fault requiring attention. In the event of a failure to start:

- Switch off electrical supply.
- Call service engineer.

### RESET BUTTON

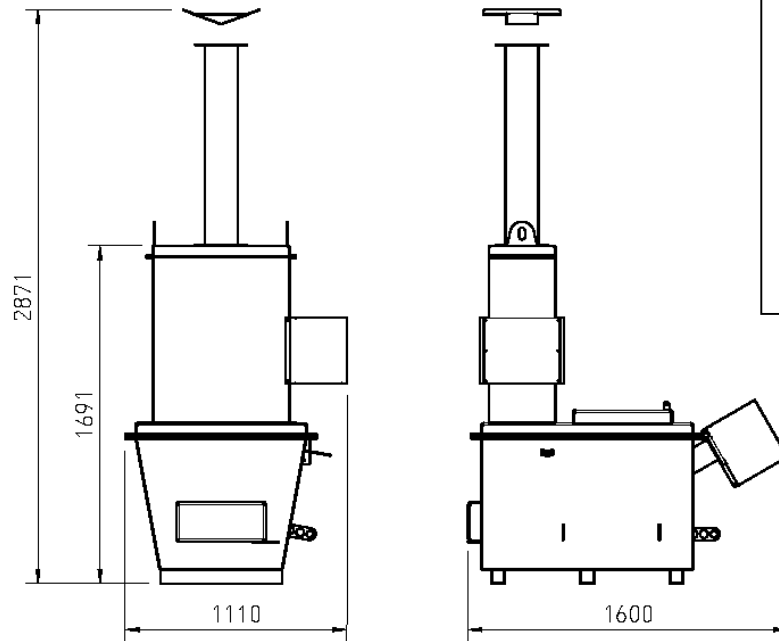
Will illuminate when the burner has failed to fire, e.g. no fuel, electrical fault.  
Press to RESET

BURNER  
CONTROL  
BOX



Loosen screw  
to remove air  
from system.

# T1 & T3 INCINERATOR

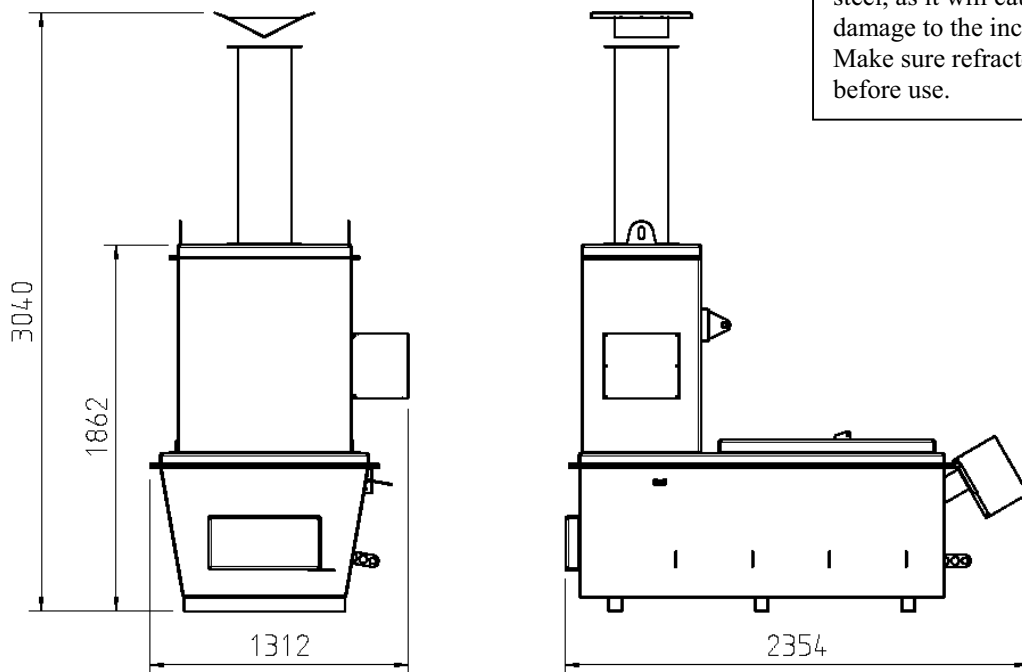


## ASH REMOVAL

**BEFORE OPENING  
ASH REMOVAL DOOR  
ENSURE  
INCINERATOR HAS  
COOLED**

Open  
**ASH REMOVAL DOOR**  
by unscrewing fastener  
then removing as much ash  
as possible.

## T1 INCINERATOR



## WARNING

The incinerators are refractory lined.  
**DO NOT USE** if the refractory becomes damaged exposing steel, as it will cause irreparable damage to the incinerators. Make sure refractory is repaired before use.

## T3 INCINERATOR

PHOTO CELL 11 & 12  
 ALARM 10  
 TRANSFORMER 6  
 SOLENOID VALVE 4

SECONDARY BURNER  
 CONTROL BOX  
 LOA24

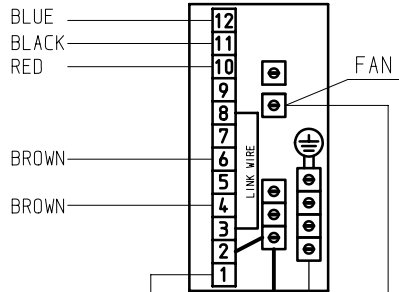
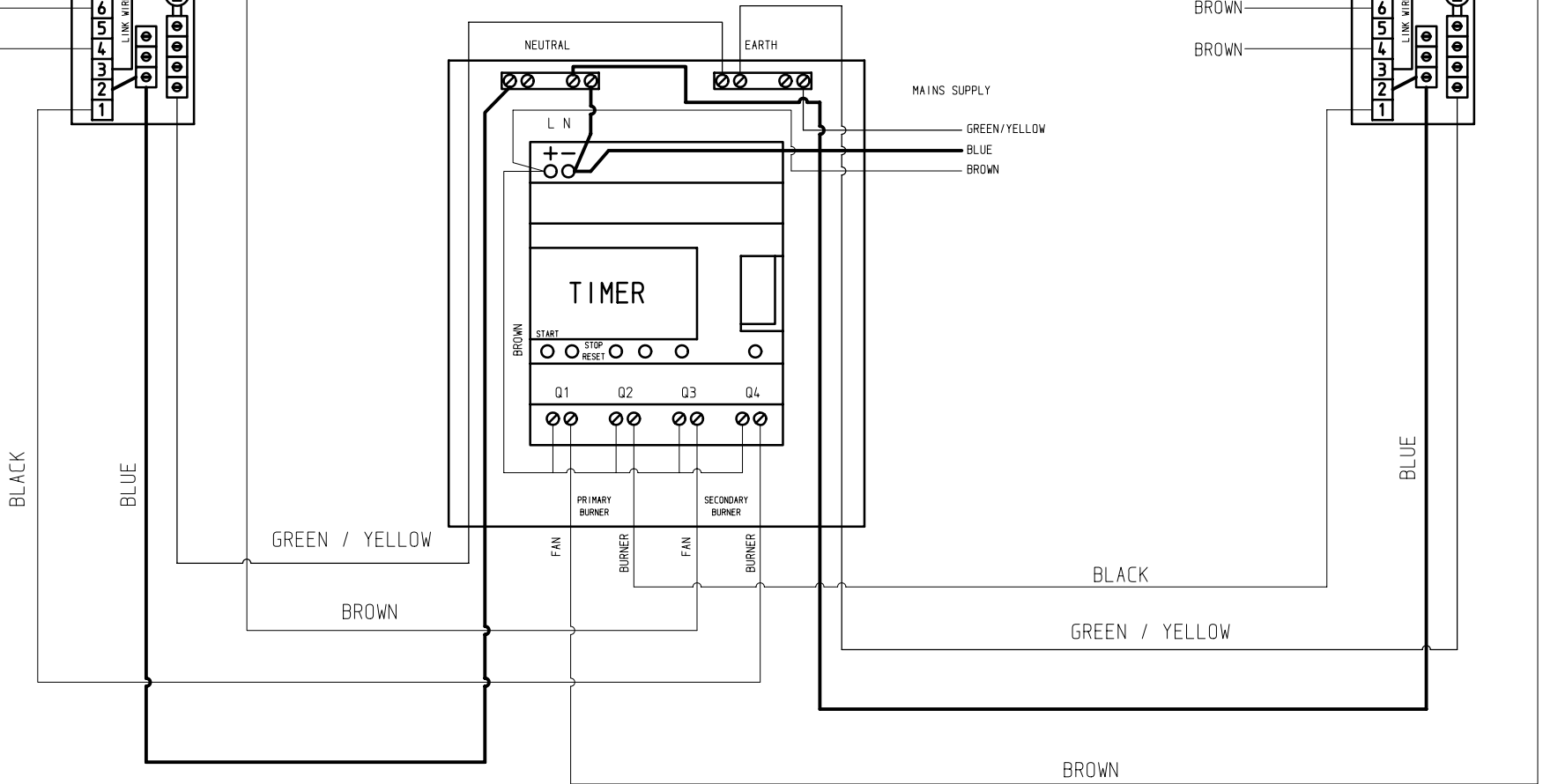
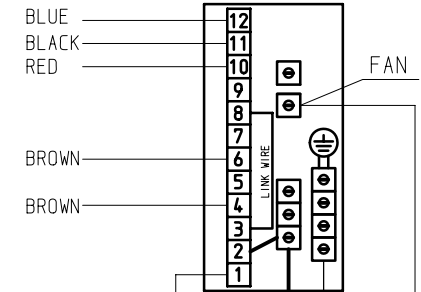


PHOTO CELL 11 & 12  
 ALARM 10  
 TRANSFORMER 6  
 SOLENOID VALVE 4

PRIMARY BURNER  
 CONTROL BOX  
 LOA24



# INCINERATOR WIRING DIAGRAM

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