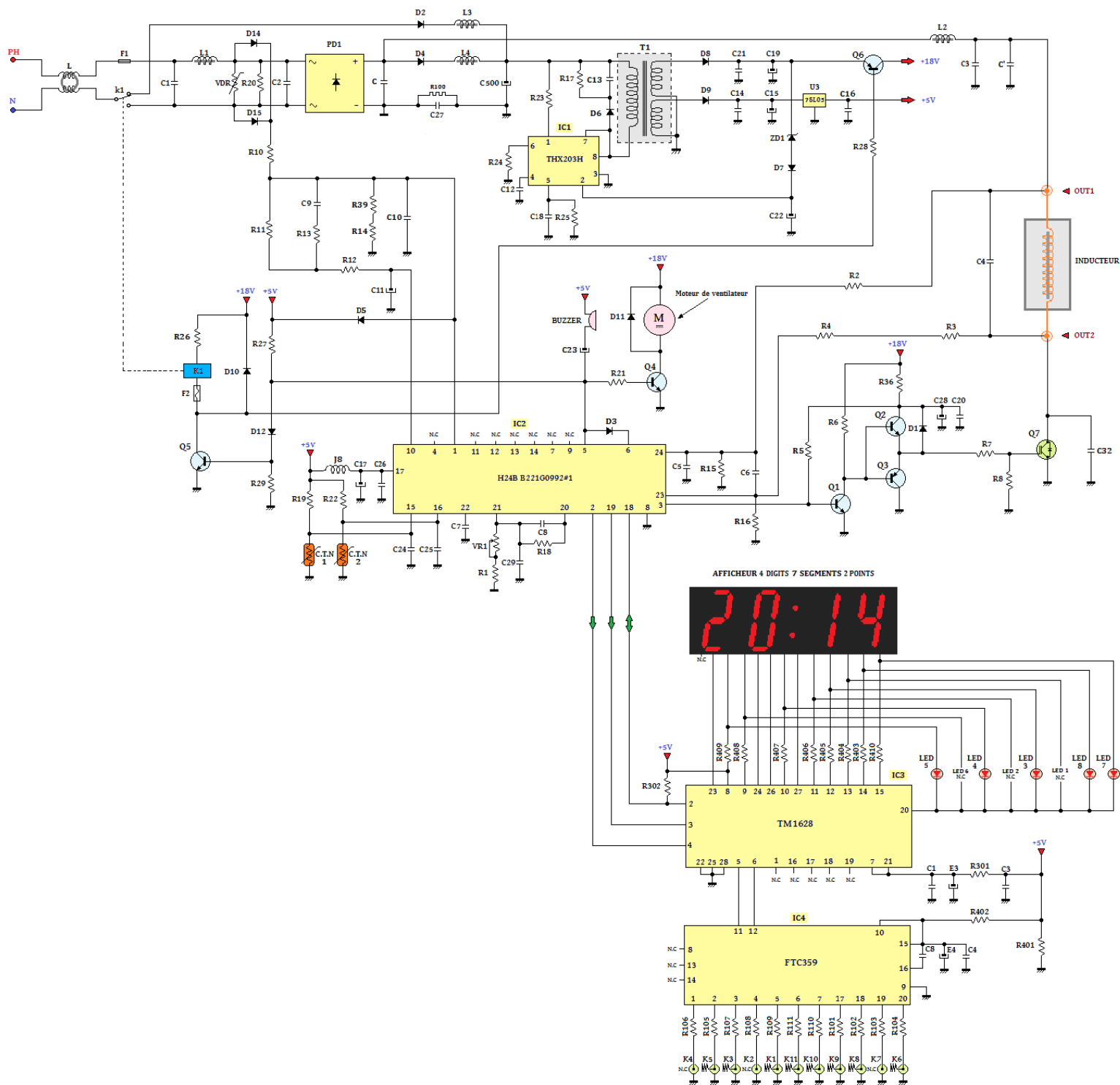


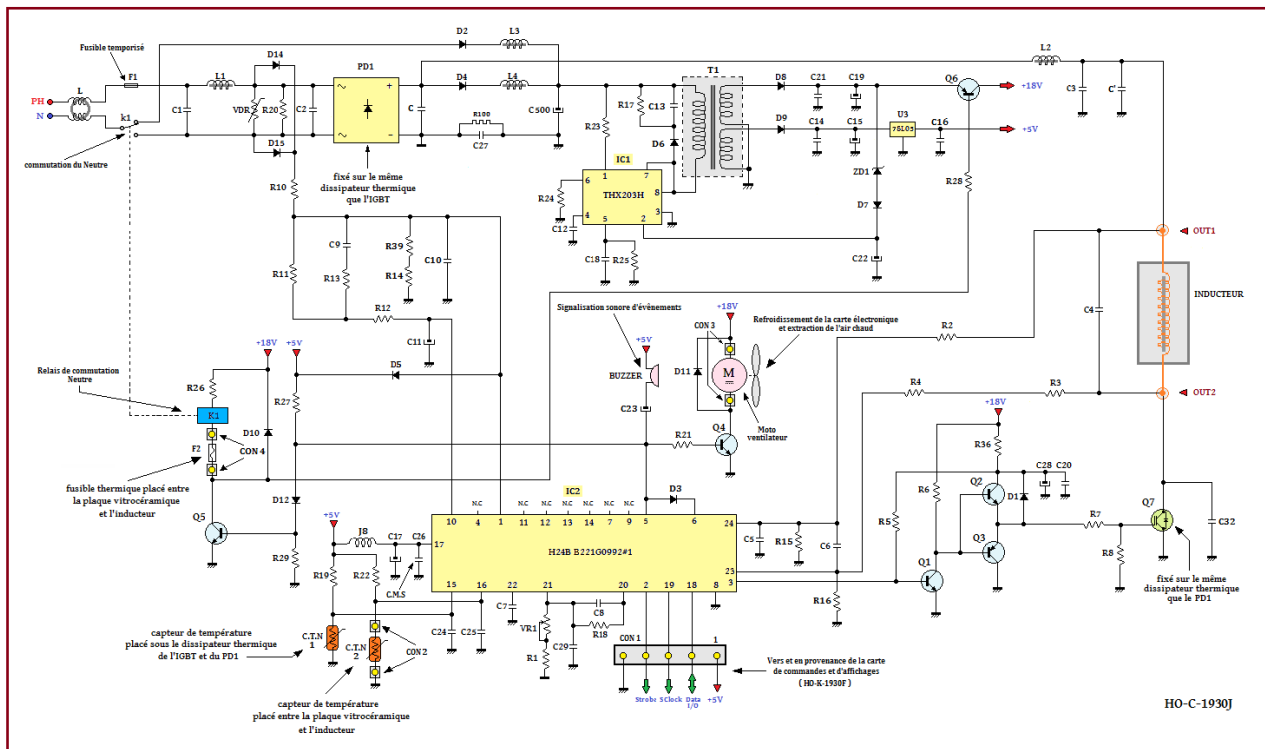
# LA TABLE DE CUISSON A INDUCTION

Marque : SIPLEC ; Modèle : L2023 ; Tension : 230V ; Fréquence : 50Hz ; Puissance : 2000W

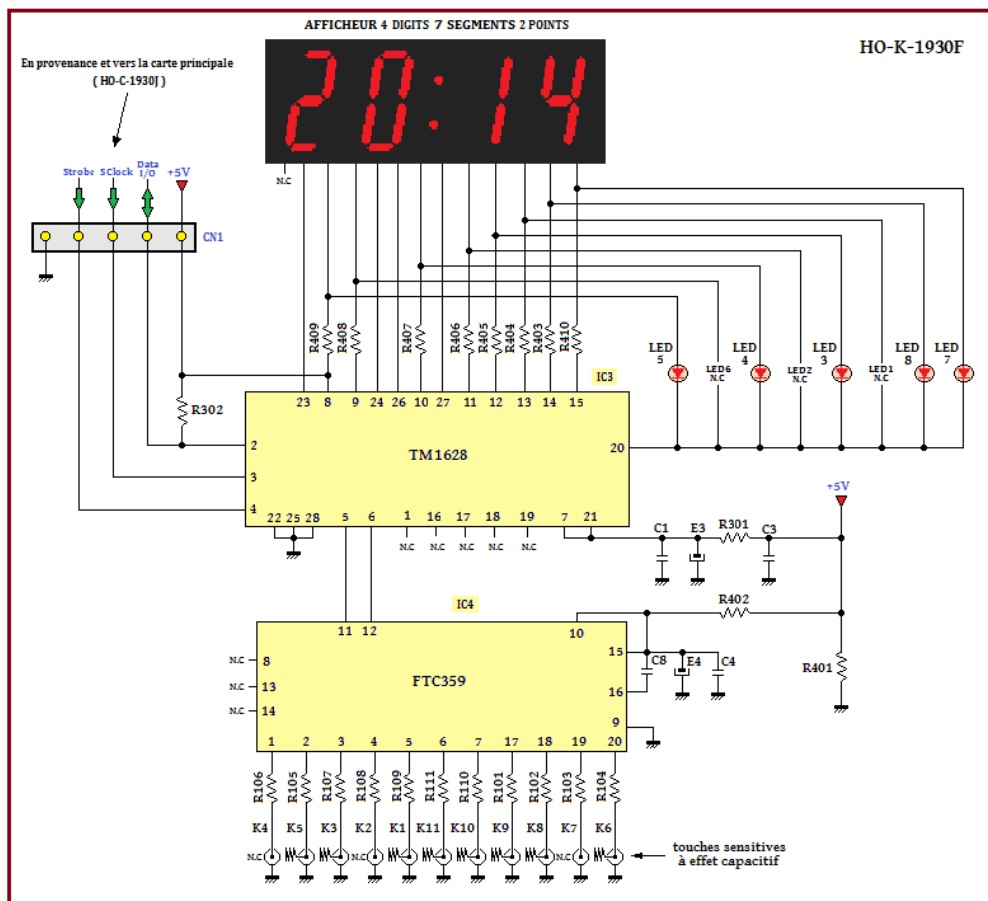
## Schéma électrique



## Carte principale



## Platine commandes/affichages



## Liste des composants

### Carte principale

#### Résistances

R1 = 1kΩ  
 R2 = 470kΩ/2W  
 R3 = 470kΩ/2W  
 R4 = 470kΩ/2W  
 R5 = 2kΩ  
 R6 = 2kΩ  
 R7 = 10Ω  
 R8 = 10kΩ  
 R10 = 270kΩ/2W  
 R11 = 820kΩ/2W  
 R12 = 100kΩ  
 R13 = 10kΩ  
 R14 = 5.6kΩ  
 R15 = 1.5kΩ  
 R16 = 2.4kΩ  
 R17 = 75kΩ  
 R18 = 20kΩ  
 R19 = 2kΩ  
 R20 = 100kΩ/2W  
 R21 = 1kΩ  
 R22 = 6.2kΩ  
 R23 = 7.5MΩ  
 R24 = 2Ω  
 R25 = 7.5kΩ  
 R26 = 100Ω  
 R27 = 10kΩ  
 R28 = 7.5kΩ  
 R29 = 10kΩ  
 R36 = 100Ω  
 R39 = 1kΩ  
 \*R100 = 0.05 Ω

#### Condensateurs

C1 = 6.8μF/275V-X2  
 C2 = 8μF/275V-X2  
 C3 = 8μF/275V-X2  
 C4 = 0.3μF/600V-30kHz  
 C5 = 220pF  
 C6 = 1nF  
 C7 = 100nF  
 C8 = 10nF  
 C9 = 1nF/1kV  
 C10 = 56pF  
 C11 = 10μF/50V  
 C12 = 680pF  
 C13 = 2.2nF/1kV  
 C14 = 100nF  
 C15 = 220μF/16V  
 C16 = 100nF  
 C500 = 10μF/400V  
 C17 = 470μF/10V  
 C18 = 100nF  
 C19 = 220μF/25V  
 C20 = 100nF  
 C21 = 100nF  
 C22 = 100μF/16V  
 C23 = 2.2μF/50V  
 C24 = 100nF  
 C25 = 100nF  
 \* C26 = C.M.S  
 C27 = 100nF  
 C28 = 100μF/25V  
 C29 = 100nF  
 C32 = 4.7nF/1kV  
 \* C34 = 1nF/1kV  
 C35 = 0.1μF/280V-X2

#### Diodes

D1 = ST4148  
 D2 = 1N4007  
 D3 = ST4148  
 D4 = 1N4007  
 D5 = ST4148  
 D6 = FR107  
 D7 = ST4148  
 D8 = FR107  
 D9 = FR107  
 D10 = ST4148  
 D11 = ST4148  
 D12 = ST4148  
 D14 = 1N4007  
 D15 = 1N4007

#### Diode Zener

ZD1 =

#### Pont de diodes

PD1 = 1N4004

#### Régulateur de tension

U3 = 78L05

#### Transistors

Q1 = S8050  
 Q2 = S8050  
 Q3 = S8550  
 Q4 = S8050  
 Q5 = S8050  
 Q6 = S8550  
 Q7 = H15R

#### Inductances

L1 =  
 L2 =  
 L3 =  
 L4 =  
 L5 =  
 L6 =

#### Résistance ajustable

VR1 = 75Ω

#### Capteurs de température

C.T.N 1 =  
 C.T.N 2 =

#### Varistor

VDR = 10D471K

#### Moto-ventilateur

U = 18V, I = 0.6A DC  
 n = 1000 tr/mn

#### Circuits intégrés

IC1 = THX 203H-7V  
 IC2 = H24B B221G0992#1

#### Relais

K1 = (DC)12V/30mA-400Ω  
 (AC)1 RT 250V/10A

#### Fusible temporisé

F1 = 10A/250V (AC)

#### Fusible thermique

F2 = TF 184°C (DC)

#### Buzzer

BZ1 =

#### Inducteur

### Platine commandes/affichages

#### Résistances

\* R401 = 20kΩ  
 \* R402 = 0Ω  
 \* R403 = 680Ω  
 \* R404 = 680Ω  
 \* R405 = 680Ω  
 \* R406 = 680Ω  
 \* R407 = 680Ω  
 \* R408 = 680Ω  
 \* R409 = 680Ω  
 \* R410 = 680Ω  
 \* R301 = 0Ω  
 \* R302 = 10kΩ  
 \* R101 = 1kΩ  
 \* R102 = 1kΩ  
 \* R103 = 1kΩ  
 \* R104 = 1kΩ  
 \* R105 = 1kΩ  
 \* R106 = 1kΩ  
 \* R107 = 1kΩ  
 \* R108 = 1kΩ  
 \* R109 = 1kΩ  
 \* R110 = 1kΩ  
 \* R111 = 1kΩ

#### Condensateurs

\* C1 = 100nF  
 \* C3 = 100nF  
 \* C4 = 100nF  
 C8 = 10nF  
 \* E3 = 470μF/10V  
 \* E4 = 100μF/16V

#### Afficheur à L.E.D

4 digits 7 segments - 2 points  
 cathodes communes - rouge

#### Circuits intégrés

IC3 = TM1628  
 IC4 = FTC359

#### L.E.D

L3, L4, L5, L7 et L8 = Ø 5mm - rouge

#### Commandes de la plaque

K1, K3, K5, K6, K8 à K11 = touches sensibles à effet capacitif

\* R4-- et R1-- : résistances de la platine commandes/affichages soudées côté circuit imprimé (cms)

\* R100 : résistance shunt

\* C : condensateurs soudés côté circuit imprimé (cms)

\* E : condensateurs électrochimique