

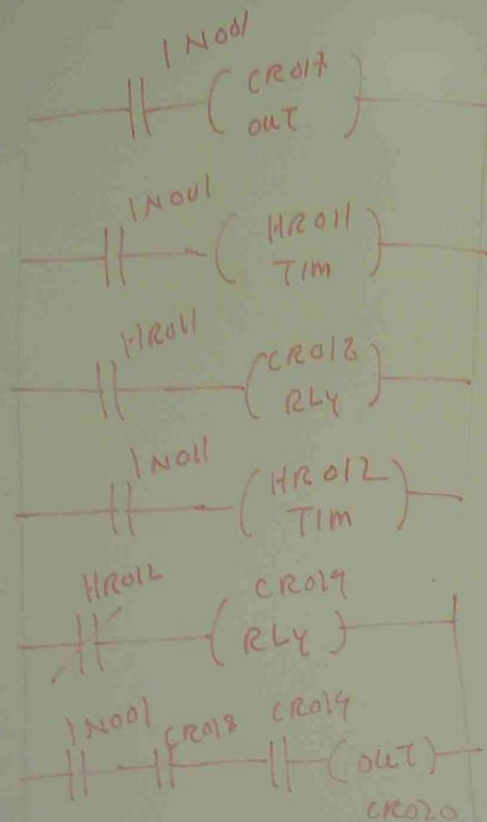
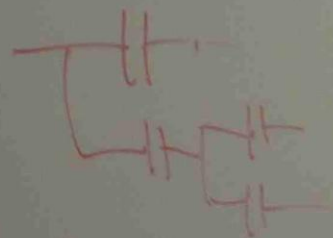
press "4"

press "5"

press "6"

press "7"

press "9"



INPUT

I NO 01

TIMER

HR 011

37 sec

HR 012

16 sec

OUTPUT

CR 020

CR 017

RELAY

CR 018

CR 019

SETUP TL6 Edu

USER MANUAL

TRILO GIS

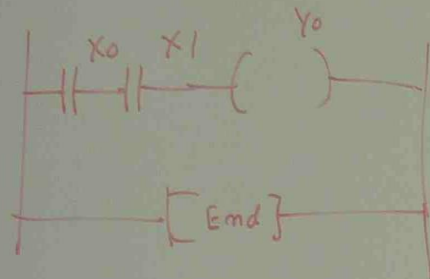
INSTALLATION INSTRUCTION

WINDOW BASED
+
mouse

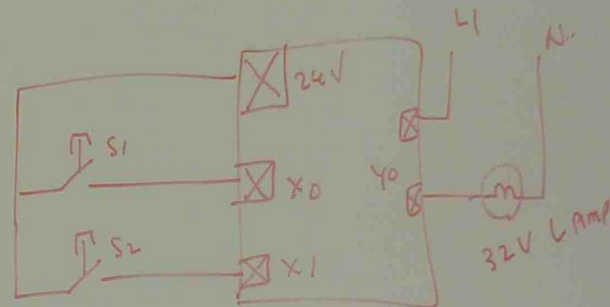
LADDER DIAGRAM & EXTERNAL WIRING DIAGRAM

Window Based
+
mouse

LADDER DIAGRAM



EXTERNAL WIRING DIAGRAM

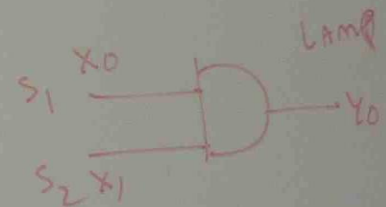


SWITCH S ₁	SWITCH S ₂	OUT PUT Y ₀	LAMP
open	open	0	DARK
open	closed	0	DARK
closed	open	0	DARK
closed	closed	1	BRIGHT

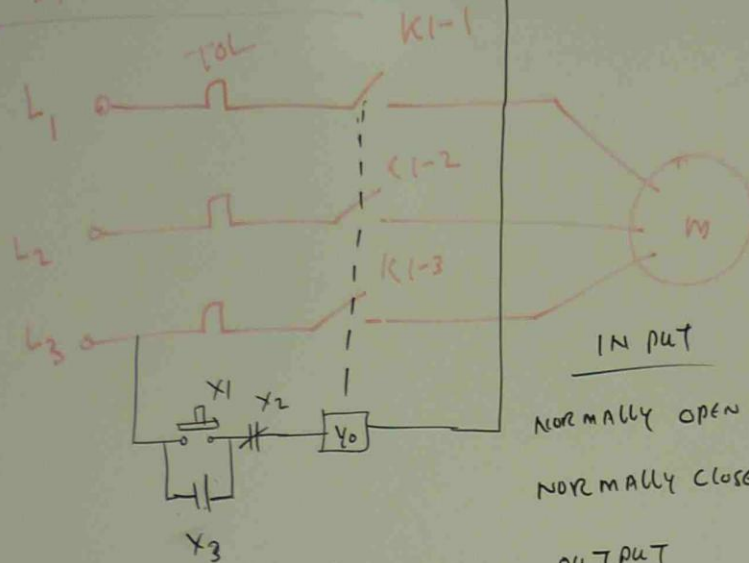
X ₀	X ₁	Y ₀
0	0	0
0	1	0
1	0	0
1	1	1

TRUTH TABLE

AND GATE

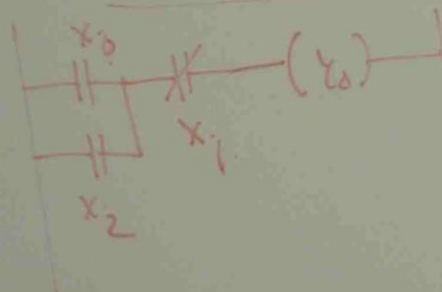


3φ motor control

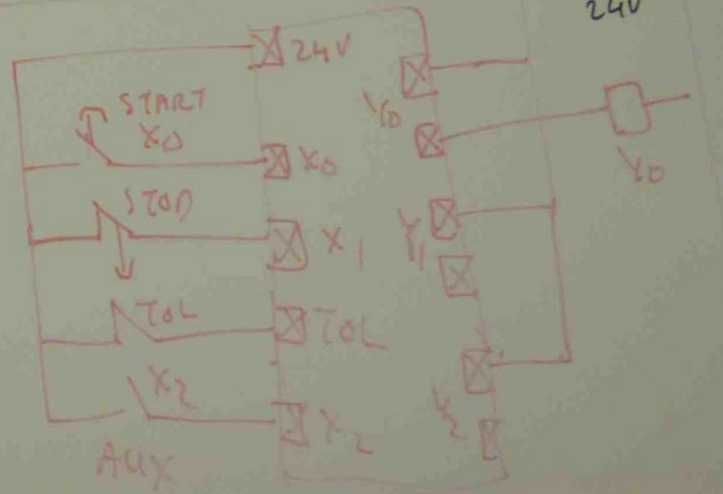


IN PUT
 NORMALLY OPEN X_0, X_2
 NORMALLY CLOSE X_1
 OUTPUT
 HOLDING COIL - Y_0 (RELAY)

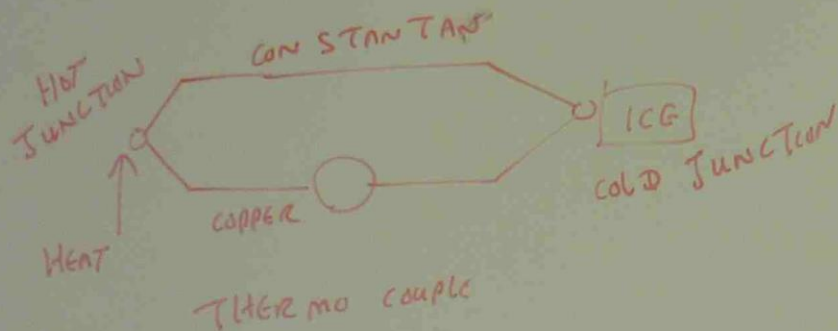
LADDER DIAGRAM



WIRING DIAGRAM



TEMPERATURE MEASUREMENT (I 005)



Types

J, K, T,

THE OUTPUT OF THE THERMO COUPLE IS DIRECTLY PROPORTIONAL TO THE TEMPERATURE DIFFERENCE BETWEEN THE HOT AND COLD JUNCTIONS AND THE TYPE OF METAL USED.

THE OUTPUT IS SMALL AND IS RATED IN $\text{mV}/^{\circ}\text{C}$

CHROMEL (POSITIVE), ALUMEL (NEGATIVE) - TYPE K

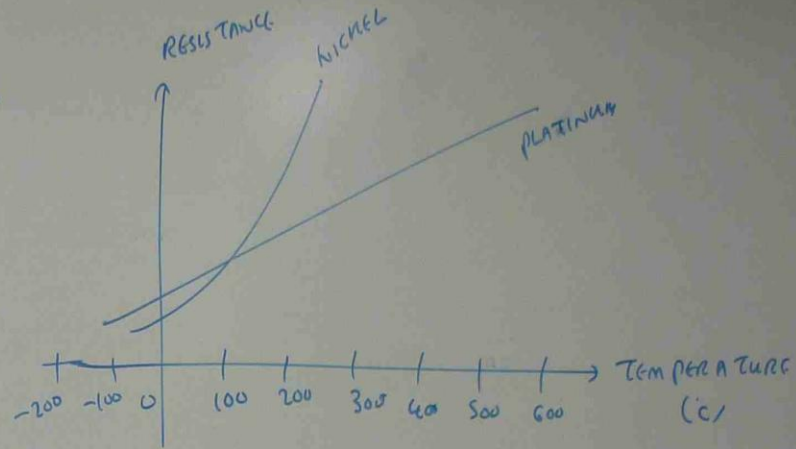
IRON (POSITIVE), CONSTANTAN (NEGATIVE) - TYPE J

RTDs ARE MADE FROM THE FOLLOWING MATERIALS AND THEIR OPERATING TEMPERATURE RANGES ARE SHOWN

COPPER \rightarrow -200°C TO 260°C

NICKEL \rightarrow -80°C TO 300°C

PLATINUM \rightarrow -260°C TO 630°C



APPLICATIONS

- ACCURATE TEMPERATURE MEASUREMENT
- HUMIDITY SENSING
- HAND HELD DIGITAL THERMOMETERS
- PLASTICS CURING RATE

ADVANTAGE

- GOOD LINEARITY, GOOD ACCURACY, LONG TERM STABILITY
- LOW TEMPERATURE SENSING

DISADVANTAGES

- HIGH COST, VIBRATION SENSITIVITY, SELF HEATING, SIZE

RTD LEAD COMPENSATION

THE THREE LEAD ON RTD IS USED FOR LEAD RESISTANCE COMPENSATION

