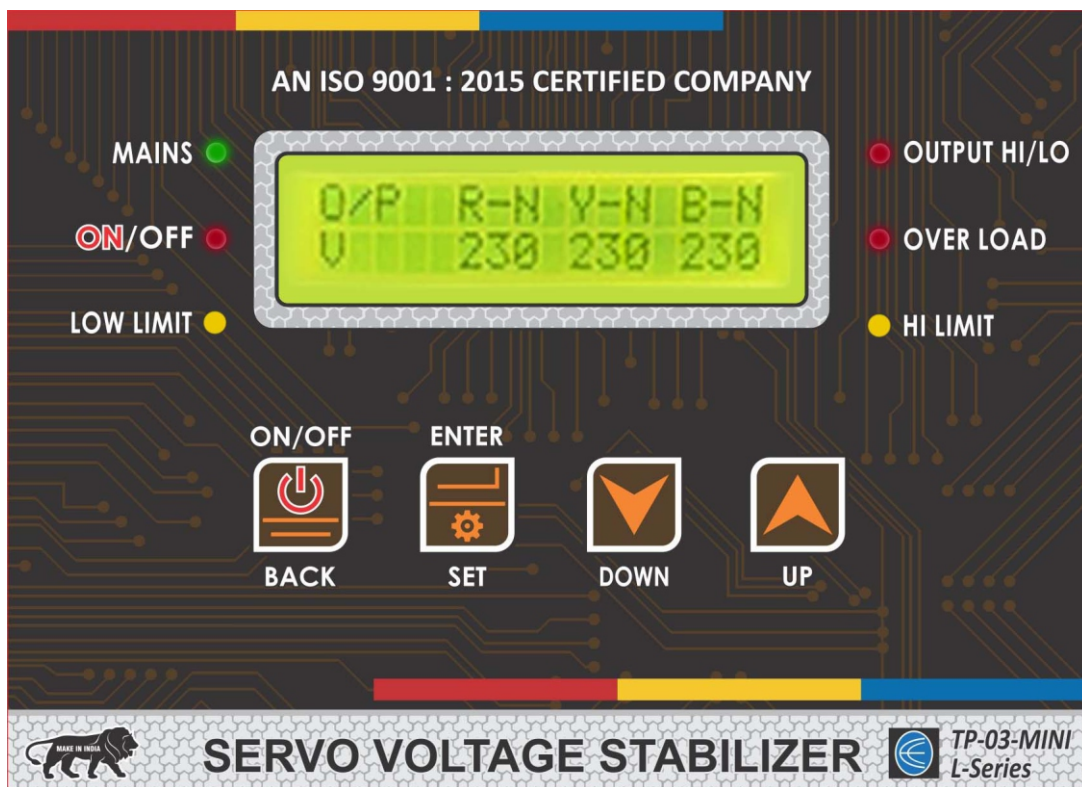


# USER MANUAL

## ADVANCE SERVO CONTROL CARD

L-Series TP-03 MINI

Based on ARM 32 Bit Cortex M4 Processor



## 3 Phase Servo Control Card

[www.eletelectronics.com](http://www.eletelectronics.com)

[manish.elet@gmail.com](mailto:manish.elet@gmail.com) | [khushal.elet@gmail.com](mailto:khushal.elet@gmail.com)

# 3 PHASE SERVO CARD OPERATING MANUAL

-: WELCOME :-  
MODEL VERSION

OUTPUT ON/OFF

OUTPUT ON/OFF

**RUNNING MODE DISPLAY WILL SHOW:-**

**NORMAL OUTPUT VOLTAGE**

O/P	R-N	Y-N	B-N
V	230	230	230

**PHASE TO PHASE  
OUTPUT VOLTAGE**

O/P	R-Y	Y-B	B-R
Vpp	440	440	440

**NORMAL INPUT VOLTAGE**

I/P	R-N	Y-N	B-N
V	200	200	200

**PHASE TO PHASE  
INPUT VOLTAGE**

I/P	R-Y	Y-B	B-R
Vpp	400	400	400

**CURRENT PER PHASE**

Cur	R	Y	B
	100	120	98

**FREQUENCY**

Frequency 50 Hz

## OUTPUT VOLTAGE SETTING

FOR SET OUTPUT VOLTAGE PRESS 3 SECONDS TO ENTER/SET BUTTON  
& SET THE VOLTAGE BY UP & DOWN KEY

OP/ VOLT SET 230

## AUTO TO MANUAL MODE

FOR OPERATE OUTPUT VOLTAGE IN MANUAL MODE PRESS 5 SECONDS TO MENU/BACK  
BUTTON MANUAL LED BLINK & SET THE VOLTAGE BY UP & DOWN KEY

ALSO OPERATE ANY SINGLE PHASE R-Y-B PRESS 5 SECONDS TO  
ENTER/SET BUTTON & SELECT THE PHASE

MANUAL R  
Vo/p 230

## FAULT CONDITIONS

FAULT CONDITIONS DISPLAY SHOW WITH LED INDICATOR:-

HI VOLTAGE

HI VOLTAGE  
V 270 270 270

LOW VOLTAGE

LOW VOLTAGE  
V 170 170 170

HI CURRENT

Hcur R Y B  
120 100 110

**PRESS ENTER BUTTON FOR \*SELECT NEXT PARAMETER  
PROGRAMMING MODE**

**PRESS BOTH MENU/ ENTER BUTTONS ENTER IN PROGRAMMING MODE & SELECT  
CHANGE PARAMETER TO CHANGE SET PARAMETERS**

**SET PARAMETER MODE VIEW ONLY  
SET PARAMETERS**

**SET PARAMETER  
\*CHANGE PARAMTR**

**ENTER PASSCODE IF ANY BY  
DEFAULT 000**

**ENTER PASSCODE  
\*000\***

**O/P LOW VOLTAGE & CUTOFF TIME  
O/P HI VOLTAGE & CUTOFF TIME**

**LO\* 180 TIME\* 05  
HI\* 250 TIME\* 00**

**SELECTABLE AUTO RESET/ MANUAL RESET  
(USE ENTER KEY TO TURN MANUAL ON)**

**AUTO ON/OFF YES/NO  
TDR 005 HYST\* 05**

**TIME DELAY RELAY & HYSTERESIS**

**CTR CT RATIO FOR 100 AMP CT SET  
000  
ABOVE 100 AMP USE SENSING CT &  
SET CT RATIO FOR EXAMPLE 100/5  
SET 20  
SET OVER LOAD & TIME**

**\*CTR \*OVRLD \*TIME  
000 99 05**

**DISPLAY PARAMETERS YES/NO**

**DISPLAY WILL SHOW ALL PARAMETERS SELECT ANY ONE FOR  
NOT SHOW IN DISPLAY BY DOWN KEY SET NO**

**VIN - INPUT VOLTAGE  
VOUT - OUTPUT VOLTAGE  
FREQ - FREQUENCY**

**VIN VOUT FREQ  
YES YES YES**

**PPIN - PHASE TO PHASE INPUT  
VOLTAGE  
PPOUT - PHASE TO PHASE OUTPUT  
VOLTAGE  
AMP - CURRENT**

**PPIN PPOUT AMP  
YES YES YES**

## CALIBRATION MODE

CALIBRATION OF O/P, I/P & CUR. DISPLAY WILL SHOW SET VOLTAGE/CURRENT  
PRESS UP/DOWN KEY CALIBRATE WITH OTHER METERS

OUTPUT VOLTAGE

CAL	R	Y	B
OUT	230	230	230

INPUT VOLTAGE

CAL	R	Y	B
IN	220	220	220

CURRENT

CAL	R	Y	B
CUR	00	00	00

## INPUT HIGH / LOW CUT WITH TIMER

OUTPUT CUT IN CASE OF INPUT HIGHER OR LOWER

IHI*300	TIME	05S
ILO 200	TIME	05S

## HI/LOW & OVER LOAD SET PASSWORD IF REQUIRED

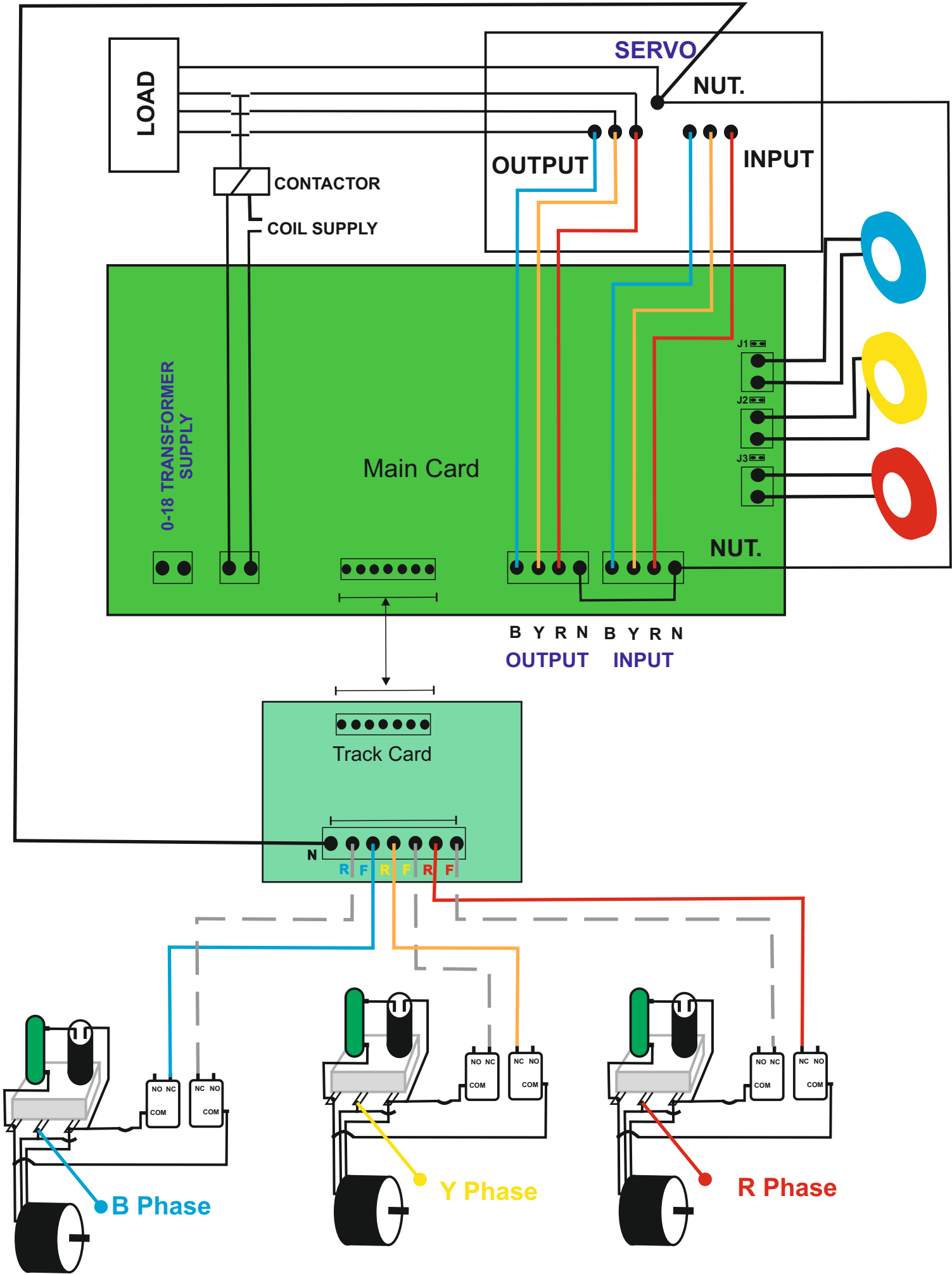
CONTACTOR & MCCB SELECT ANY ONE BY DOWN KEY

SET PASSWORD BY UP/DOWN KEY 001 TO 999

O/P CUT	*CONT/MCCB
PASSWORD	000

\*THANK YOU\*  
\*SET PARAMETER\*

# WIRING DIAGRAM OF THREE PHASE CARD



JUMPER SHORT FOR USING SENSING CT  
 JUMPER OPEN FOR USING 100 AMP CT

