

T3 SERIES

NEW

Features

- Light and magnetic fixture
- Visible components
- $\Phi 4\text{mm}$ safety socket connection
- Customization allows
- Dimensions (W $\times$ H $\times$ D): 100 $\times$ 68 $\times$ 40mm

F3-001

Resistor

4.7 Ω , 12 Ω , 39 Ω , 2W

F3-002

Capacitor
470pF, 4700pF
47000pF, 63V

F3-003

Capacitor

0.5 μF , 1 μF , 2 μF , 400V

F3-004

Capacitor
220 μF , 470 μF
2200 μF , 25V

F3-005

Inductor
1mH, 10mH
100mH, 100mA

F3-006

Push switch

1 $\times$ 2, 120V, 5A

F3-007

Toggle switch

2 $\times$ 2, 120V, 5A

F3-001

F3-002

F3-006

F3-007

F3-005

F3-004

F3-013

F3-013

F3-009

F3-014

F3-012

F3-010

F3-011

F3-008

Fuse

6 $\times$ 20, 250V, 3A

F3-009

Crocodile clip

24V, 3A

F3-010

Spring clip

24V, 3A

F3-011

E10 bulb base

6V

F3-012

B10 bulb base

6V

F3-013

B15 bulb base

24V

F3-014

DC Motor

3V, 200mA

DEMONSTRATION TRANSPARENT COMPONENTS



F3-015



F3-016



F3-017



F3-018



F3-019

F3-015
Buzzer

3~7V

F3-016
Speaker

8 Ω , 0.3W



F3-020



F3-021



F3-022



F3-023

F3-017
Potentiometer

1K Ω , 0.5W

F3-018
Diode

1N4004

F3-019
Transistor

2SC1008

F3-020
Thyristor

97A6

F3-021
LED

6V

F3-022
Rectifier

400V, 10A

F3-023
Transformer

220V, 6V-0-6V, 1A



F3-024



F3-027



F3-025



F3-028



F3-026



F3-029

F3-024
Toggle switch

2X2

F3-025
Toggle switch

1X2

F3-026
DC current meter

0~5A
Accuracy: 2.5%

F3-027
DC voltage meter

0~30V
Accuracy: 2.5%

F3-028
AC current meter

0~5A
Accuracy: 2.5%

F3-029
AC voltage meter

0~30V
Accuracy: 2.5%



F3-160



F3-162

F3-161
Amplifier modulation

A/D converter AD633



F3-161

F3-160
Operational amplifier
Amplifier TL081

F3-162
Detector

The circuit for
demodulation

POWER SUPPLY

TEST INSTRUMENT

EDU. INSTRUMENT

METER

ACCESSORY

THE T3 SERIES EXPERIMENT

Use T3 series demonstration transparent components to do demonstrative experiment flexible. Choose the components and put them on the table or TLE-11010 demonstration frame then connect them.

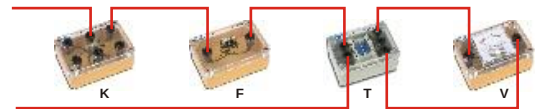
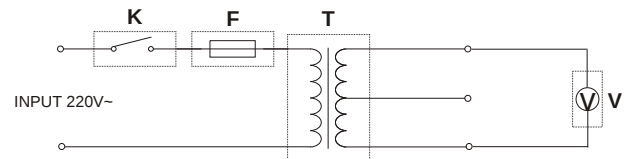


T3 DEMONSTRATION TRANSPARENT COMPONENTS WITH TLE-11010

Example

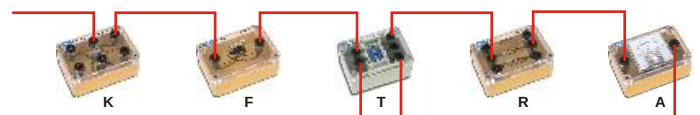
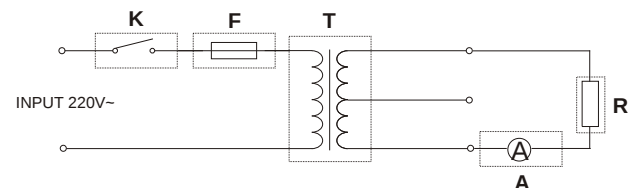
1. Measurement of AC voltage with voltmeter

K: F3-007
F: F3-008
T: F3-023
V: F3-029



2. Measurement of AC current with ammeter

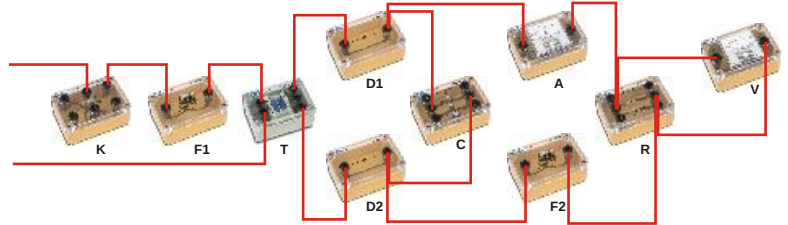
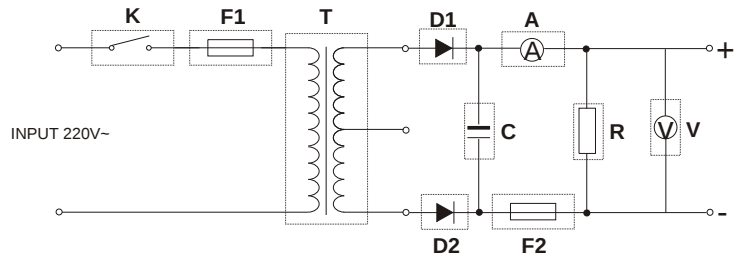
K: F3-007
F: F3-008
T: F3-023
A: F3-028
R: F3-001



DEMONSTRATION TRANSPARENT COMPONENTS

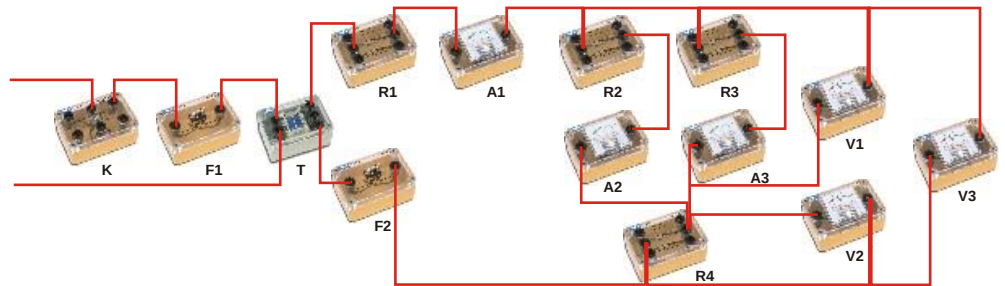
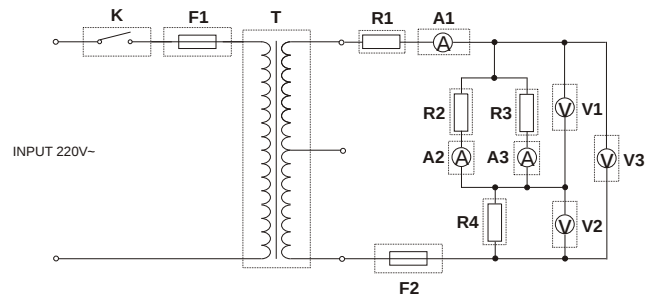
3. Full-wave rectifier

K: F3-007
 F1, F2: F3-008
 T: F3-023
 D1, D2: F3-018
 C: F3-004
 A: F3-026
 R: F3-001
 V: F3-027



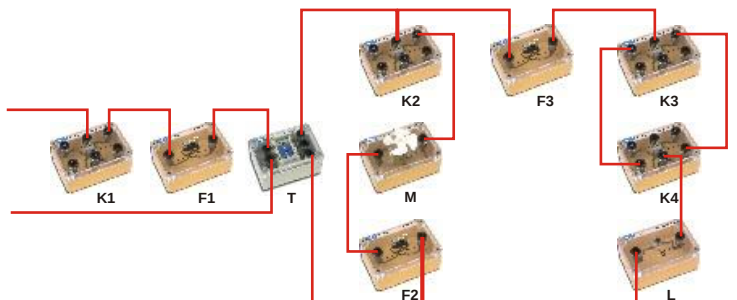
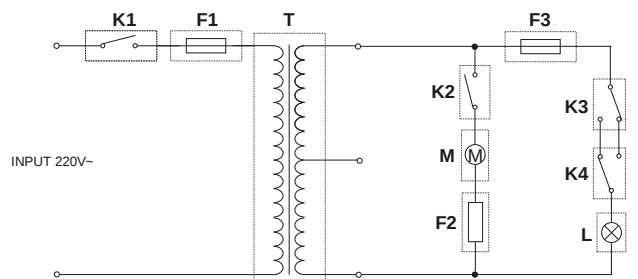
4. Series and parallel of resistors

K: F3-007
 F1, F2: F3-008
 T: F3-023
 R1, R2, R3, R4: F3-001
 A1, A2, A3: F3-028
 V1, V2, V3: F3-029



5. A fan by a one-way switch and a lamp by a two-way switch

K1, K2, K3, K4: F3-007
 F1, F2, F3: F3-008
 T: F3-023
 M: F3-014
 L: F3-011



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