AVERON
TEA-HA TIMER

TNE-20N LED 220AC
User's manual

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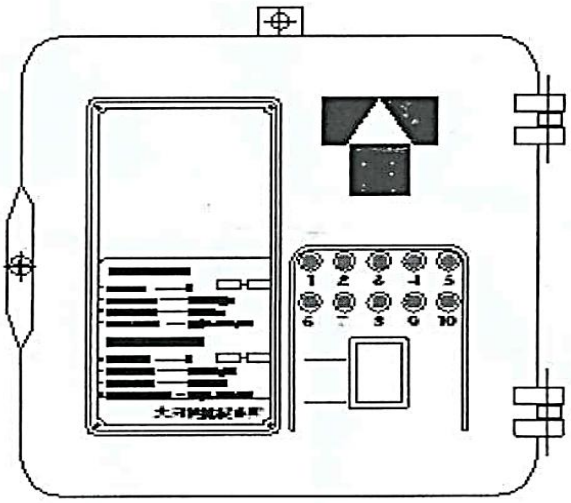
Description

1. กล่องอลูมิเนียมหล่อ
   เนื่องจาก PCB ของ TNE ตั้งเวลาอยู่ในอลูมิเนียม กล่องหล่อขึ้นรูปถ้าทำความสะดวกในการกันน้ำ และฝุ่นพิสูจน์อักษร
2. การออกแบบทีประหยัดประกอบด้วยหน้าทีสำคัญ เฉพาะสำหรับตัวเก็บฝุ่น
3. การออกแบบภายนอก
   มีจอแสดงผลด้านนอกเช่นหลอดไฟ LED และระบบไฟฟ้าหลัก สวิตซ์.

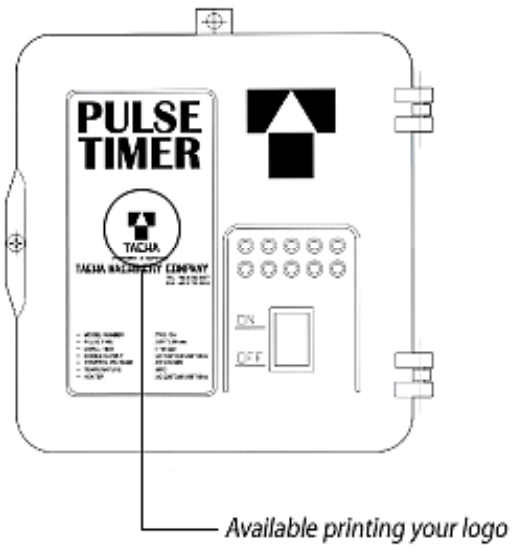
SPEC	TNE TIMER
➢ สัญญาณเอาท์พุท	ไฟฟ้า
➢ ลักษณะ	บอร์ดเท่านั้น
➢ ประเภทการควบคุม	อนาล็อก
➢ กรงขัง	อลูมิเนียมหล่อ NEMA 4
➢ แม็กซ์ เอาท์พุต	10p, 20p
➢ เวลา Pulse	ลงทะเบียนปริมาณ
➢ Dwell Time	ลงทะเบียนปริมาณ
➢ แหล่งจ่ายไฟ	AC85 ~ 240V / 50 ~ 60Hz
➢ ฟิวส์	2A
➢ ความดัน	-
➢ การดำเนินงาน อุณหภูมิ	320 ~ 60 °C (ถ้าไม่ใช่เงื่อนไขการแช่แข็ง)
➢ ประเภทขั้ว	1.25 4Y

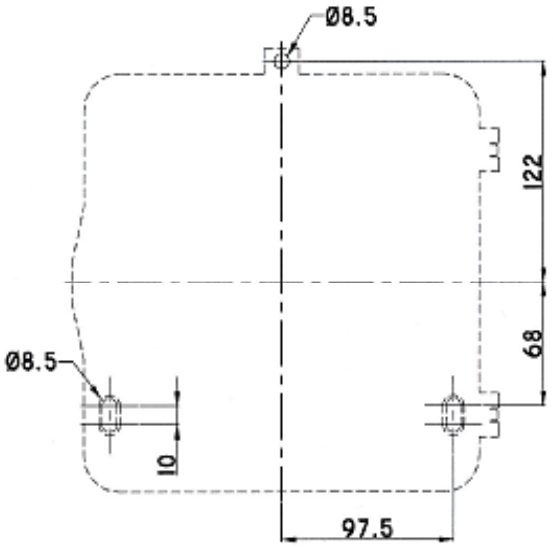
Timers

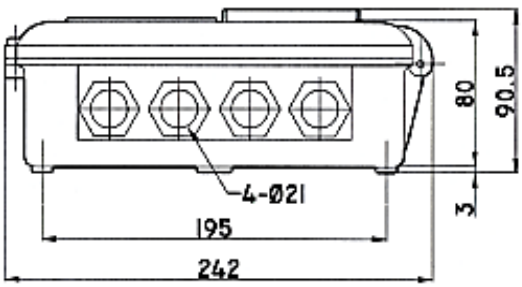
TNE TIMER

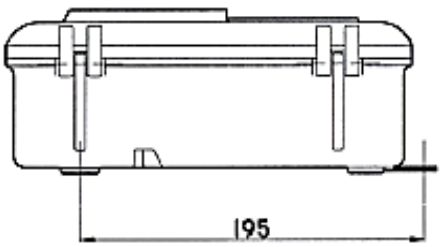


Dimension









1.Installation method of Timer

1.1 Notion

Installation method lf Timer will be changeable by operating method of Pulse Valve (remote type and integral type)

1.2 Selection and Installation of Timer

1.2.1 Selection and Installation of Timer for integral type Pulse Valve

Integral type need to select and install Timer Which has not Solenoid Valve. You will install installation place which has 150 m distance from walkway. It is easy to operate, maintain, and control the system (Pulse timer, Dwell time, DIP switch)
You will manufacture installation place of Timer by Appendix 7.6.3 Timer drawing. Installation Bolt size is M6-30L. If the installation place is thick, you can lengthen the size.

1.2.2 Selection and Installation of Timer for remote type Pulse Valve

For remote type Pulse Valve, select and install the Timer includes the built-in Solenoid coil. We suggest that Timer is positioned to minimize the tube length, and preferably to ensure that no tubes are longer 5m-this avoids excess air build-up which in turn could slow down the operation of diaphragm.

1.2.3 The terminal wiring and tubing

- Wiring the valve solenoid coil to the Timer for the Integral the Integral type valve.
- Tubing each Pulse Valve to the Timer for the Remote type valve.

1.3 The terminal wiring for the Integrated type valve

1.3.1 The method of terminal wiring for DIN Socket

First of all, connect the contacts of the DIN socket to the terminal wiring to avoid short circuits caused by moisture and/or dust

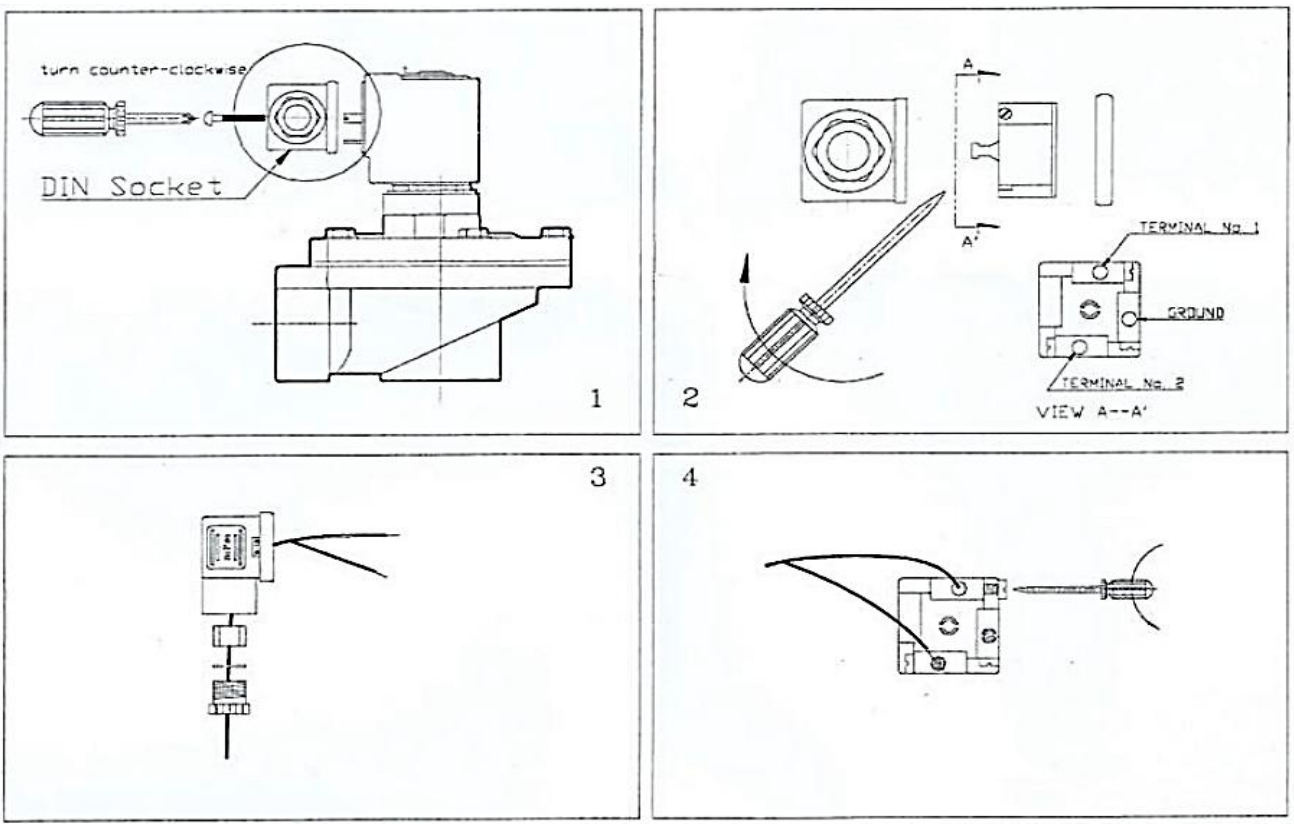
1) Remove the DIN socket cover after unscrewing the bolts upper DIN Socket using by screw driver. Be sure to fasten the bolts.

2) Remove the square terminal block inside of DIN socket using by small-type driver.

3) Unfasten the nuts on the bottom parts of the DIN socket and put the wire into the inside of DIN socket as following diagram.

4) Connect the wire to terminal I and 2

5) Reassemble the DIN Socket in the reverse order.

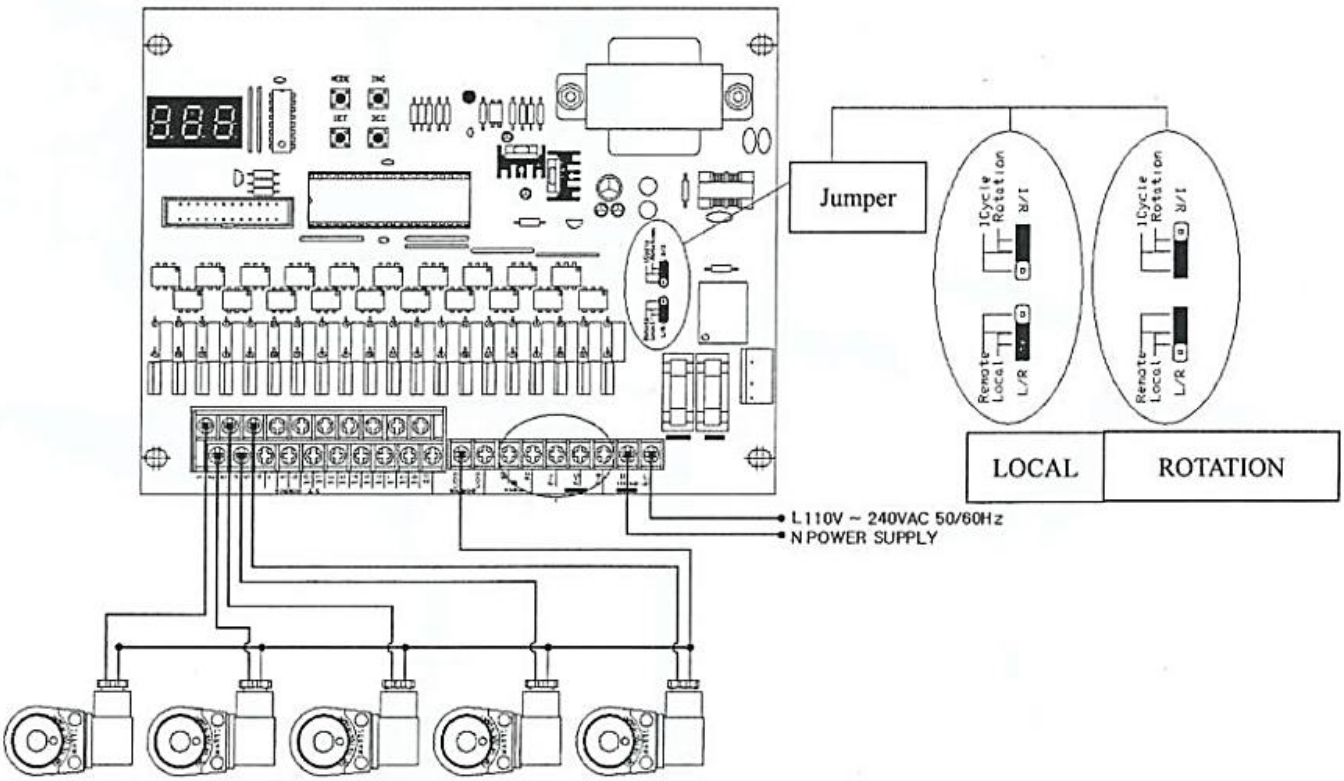


DIN socket has three contacts, that is, exposing two contacts 1 & 2 and third is earth.

1.3.2 The method of terminal wiring

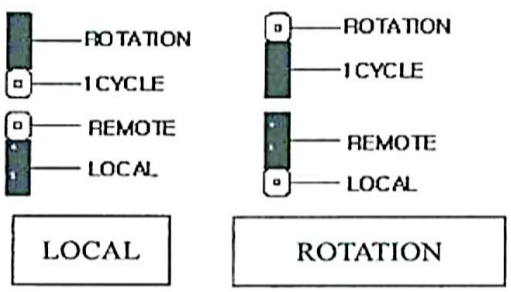
CAUTION	**Before connecting electric power, electric wiring is conducted.**
DANGER	**Be sure to turn off the power supply switch before connection of the terminal wiring.**

1) See diagram-regarding the terminal wiring between the Pulse Valve coil and Timer.
2) Connect L<N for the power supply.



WIRING BETWEEN SOLENOID COILAND TIMER

1.3.3 Jumper Setting



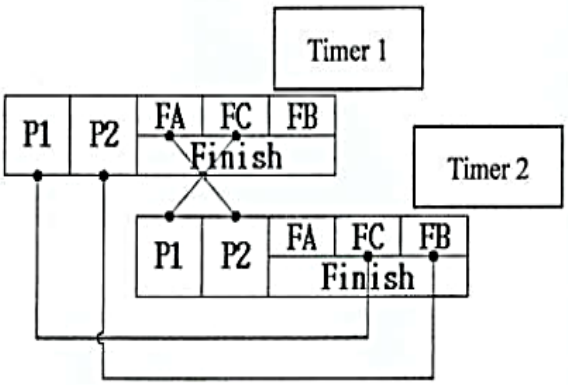
For the power supply, check the voltage rating and current rating as specified in the part list for your product.

Be sure to turn off the power supply switch before connection of the jumper setting.
Outlet picking setting: ROTATION MODE Setting.

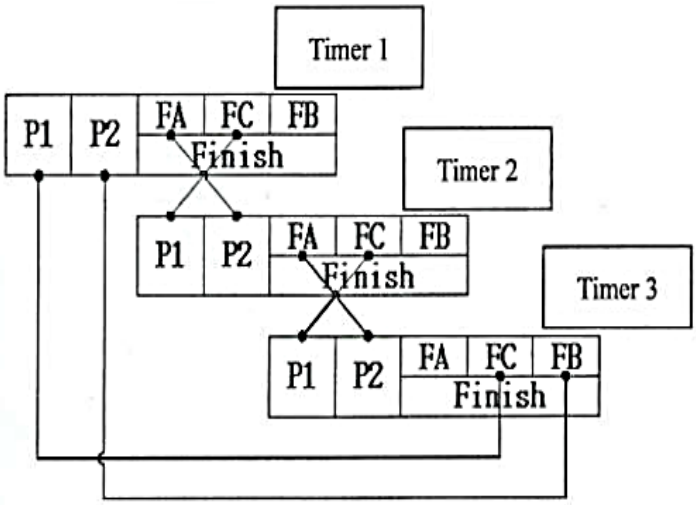
1.4 Wiring

(a) Example 1: wiring for connection of 2 Timers & 3 Timers

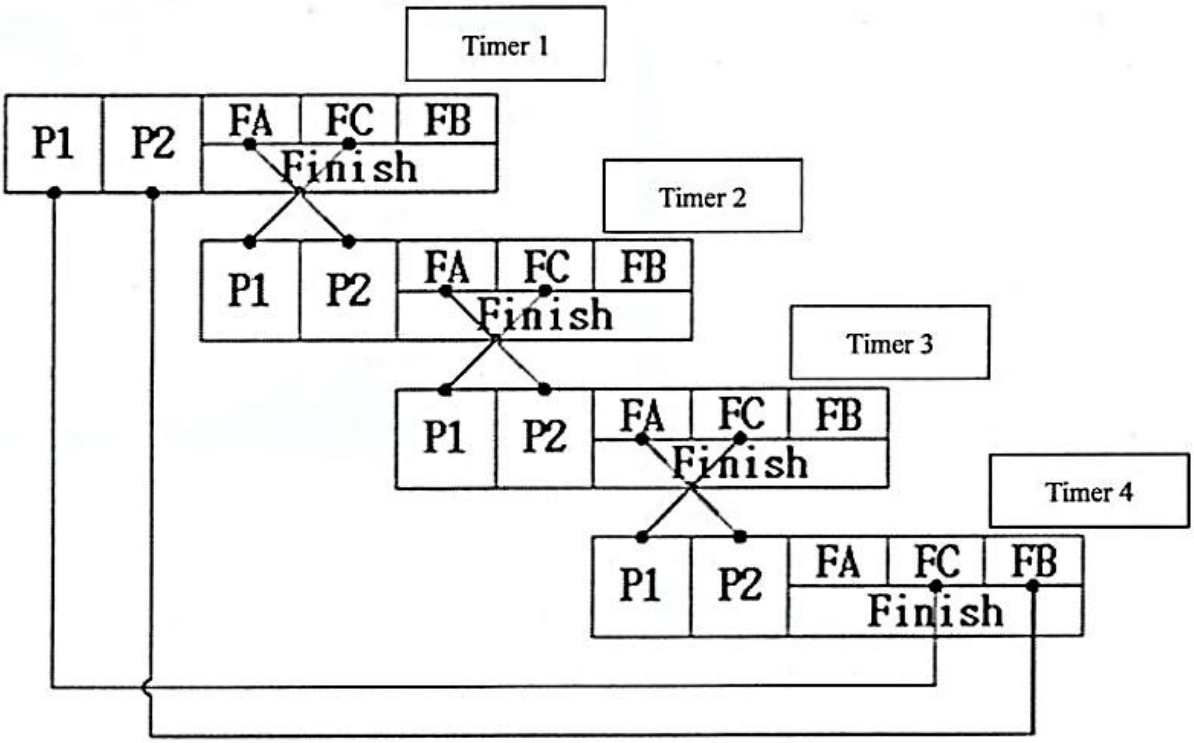
2 Timers



3 Timers



(b) Example 2: wiring for connection of 4 Timers



1.5 Timer Setting

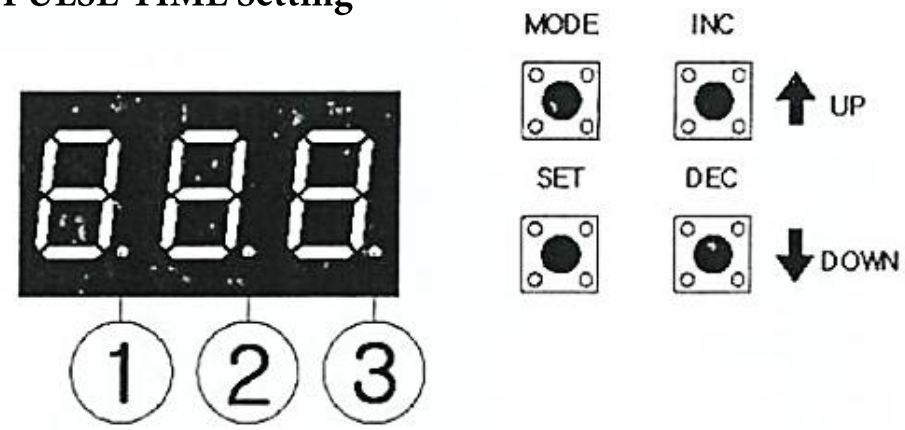
After opening Timer cover, set up it as following figure.

DANGER

Before opening the cover, electrical supply must be disconnected.

After switching on, input PULSE TIME, INTERNAA TIME,FINAL.

1.5.1 PULSE TIME Setting



1) Settings are enabled by pressing MODE KEY for a second.
2) In the display box,'.' Signal is shown at the right bottom side denominated for hundreds.
   This box is displayed for setting up PULSING TIME (Pulse timer range:0-0.999Sec
3) Pressing MODE KEY once again shows up '.' Signal at the right bottom side denominated for tens in the display box.
   This box is displayed for setting up DWELL TIME.(Dwell time range:0-100Sec)
4) Pressing MODE KEY once again shows up '.' Signal at the right bottom side denominated for single digit in the display box.
5) Use UP/DOWN KEY to set up and press SET KEY.
   Then settings are stored and activation can go on.

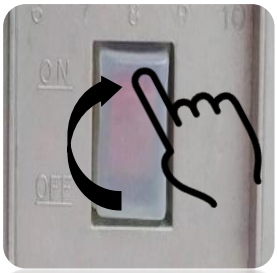
EX) Settings of PULSING TIME

1. Press MODE KEY for a second.
2. '.' Signal is shown at the right bottom side denominated for hundreds.
3. Set up TIMER using UP/DOWN KEY.
4. Press SET KEY

CF) Settings of DWELL TIME and number of PULSE Valve are in the same manner as above.

1.5.2 TIMER Works

1.5.3 Supply of Power source



Turn the power switch 'ON' as shown in the picture below.

Then the light will be on the sei8tch lamp.

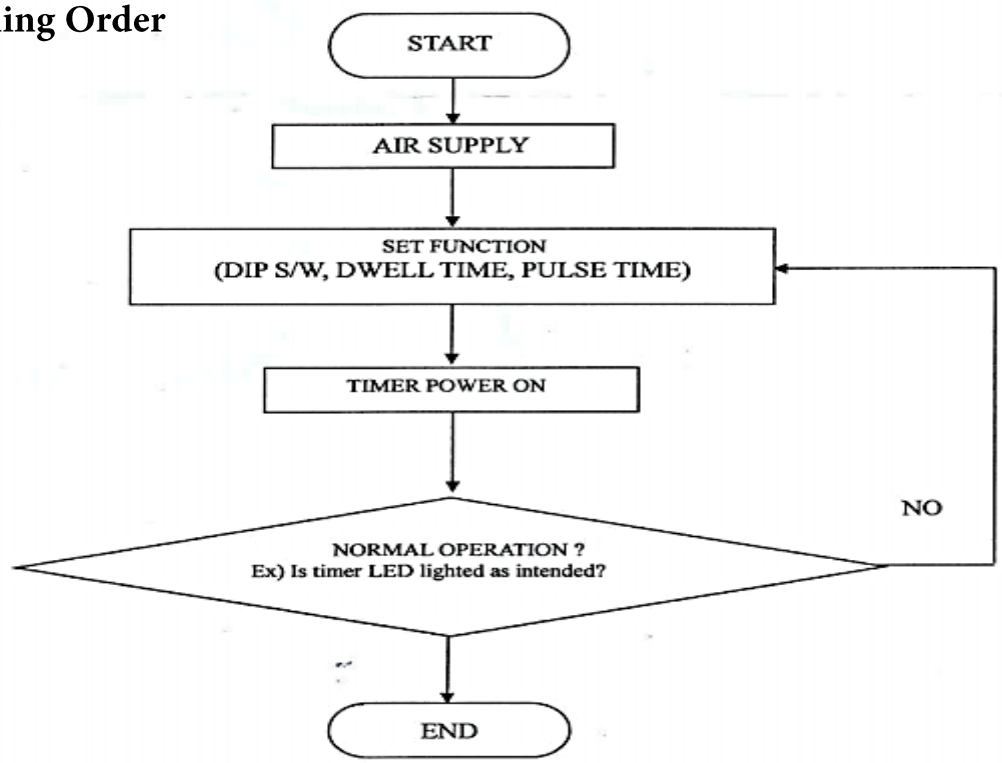
1.4.4 Operation Check

Through LED Lamp and sounds, make it sure whether PULSE VALVE I is in normal operation. It may be regarded as normal if LED lamp is lighted on in the order and 'pop' sounds opening PULSE VALVE are heard in regular intervals.
Red lights of LED lamp are from number one through number 10, and green lights are from number 11 though number 20.

Preparation and Running

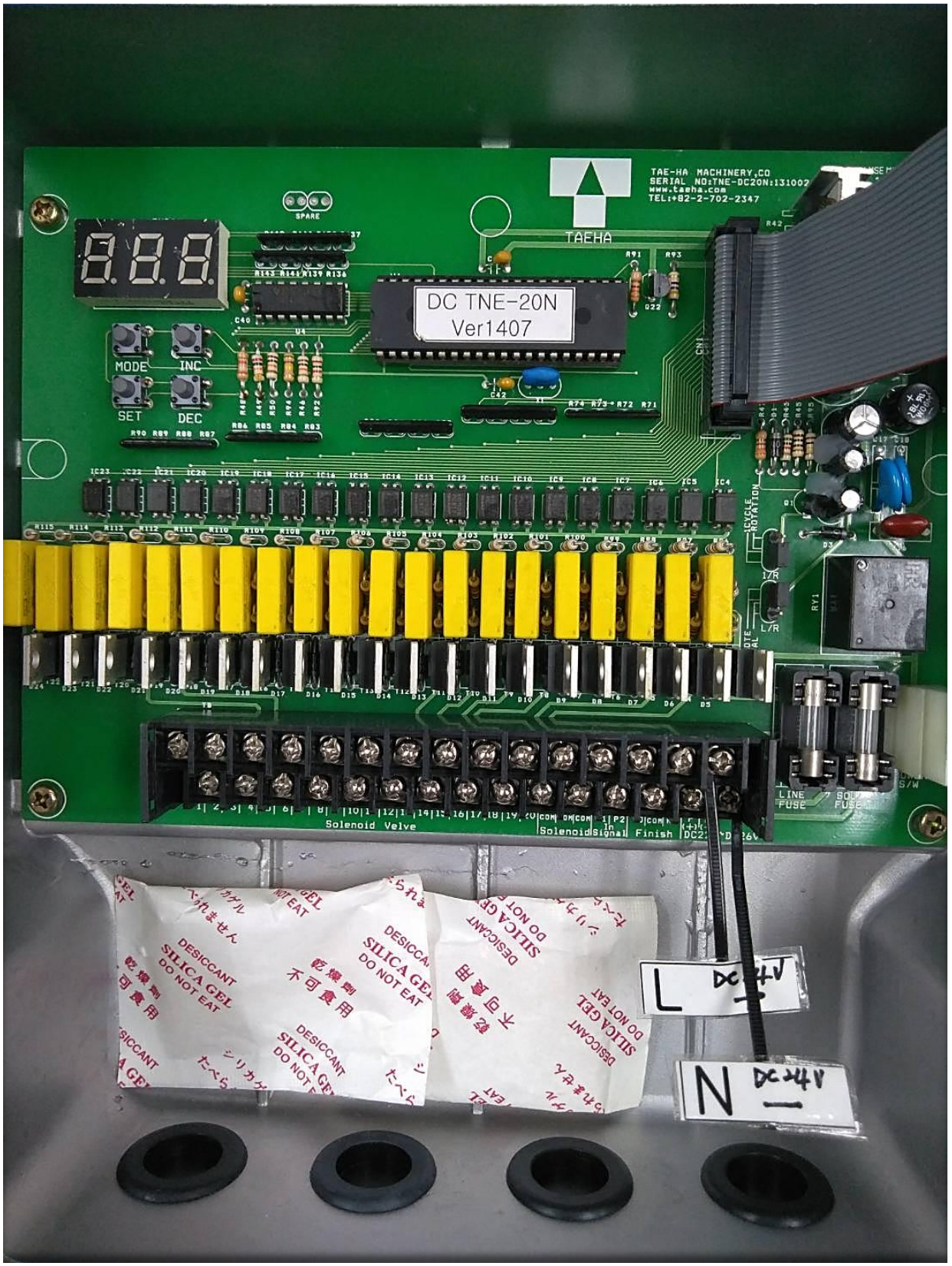
This chapter writes the preparatory measures to be taken in advance of running the PULSE VALVE and the control system of the dust collector and the running manners as well.

1. Running Order



PRODUCT

PRODUCT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