MICROTEC

TITAN QUICK GUIDE

T1620-APL2-D | T1624-APL2-D

TITAN Semi-Auto Dual Station Pneumatic Heat Press with Stand

One picture per step. Scan a QR code or tap “Watch” to see that exact step in our video.



Safety first

The heat plate gets very hot
Up to 446°F. Never touch it. Keep children and pets away.

Use a grounded 120V outlet
3-prong outlet only. Do not use an extension cord.

Air power moves and closes the press
The heat plate slides sideways and presses down by itself. Keep hands, arms and hair clear.

Indoors, dry, airy room
Level floor. Away from water and anything that can burn. Room temperature 41–104°F.

Emergency? Press the big **red EMERGENCY STOP button** on the front. While pressing, the heat plate lifts at once. While sliding, it stops where it is. Then turn off the power switch.

1 Unbox

Watch 0:33



1. Remove the top panel of the crate

Two or more people. The machine is heavy.



2. Remove the side panels

Unscrew them and set them aside.



3. Unbolt the anchors

Free the machine from the crate base.

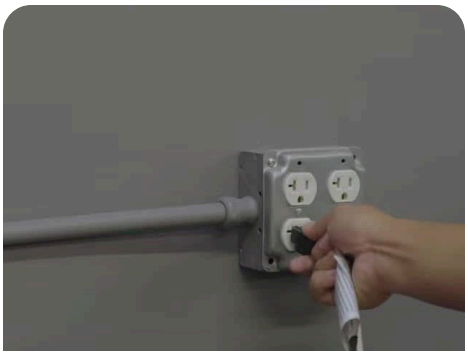
4. Keep all packaging

You will need it if the machine ever has to come back for service.

In the box: heat press on its stand, power cord, EasyFit platens (including an extra 4″ × 4″ plate).

2 Set up

Watch 1:06



1. Plug into a grounded 120V outlet

3-prong wall outlet. No extension cord.



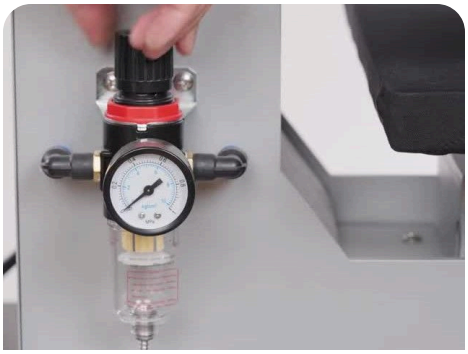
2. Connect the air hose

Compressor off. Pull back the sleeve on the hose coupler, push the press's air plug in until it clicks.



3. Turn on the compressor and the power switch

Red rocker switch on the side. Listen for hissing — if air leaks, turn off and reconnect firmly.

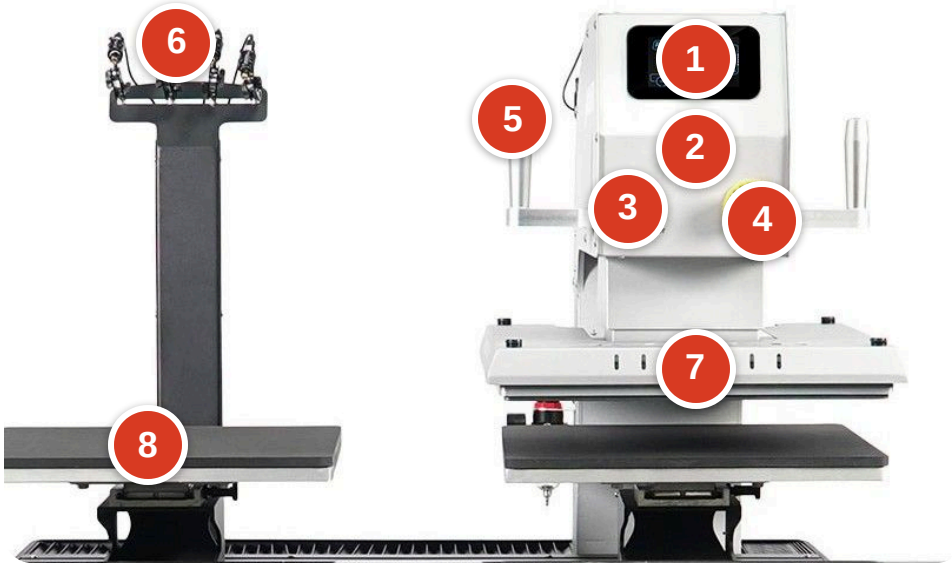


4. Set the air pressure to 0.4–0.6 MPa

Turn the black knob on the gauge until the needle is between 0.4 and 0.6 MPa (4–6 kg/cm²). Clockwise ↻ = more pressure, counter-clockwise ↺ = less. If the knob won't turn, pull it up first; push it down to lock. Turn a little at a time and watch the gauge.

3 Know your machine

Watch 1:48



1 Touch screen (GY-13)
Set temperature and time.

2 Station button ⇔
Tap when the plate is all the way up: it slides to the other station.

3 Laser power button
Turns the alignment lasers on and off.

4 Red EMERGENCY STOP
Press to stop at once.

5 Start handles (left and right)
Press both start buttons together to press.

6 Alignment lasers
Help you line up the transfer.

7 Heat plate (HOT)
Slides between the two stations. Do not touch.

8 Lower stations (2)
Load one while the other is pressing.

On the side: power switch, 2 reset breakers (they pop out on overload — push back in), air pressure gauge, 2 speed valves (lifting and pressing), air inlet and power cord.

EasyFit platens: swap the lower plates for different sizes of garments.

4 Touch screen (GY-13)

Watch 1:30



1 **1 · 2 · 3 (top row)**
Your 3 saved settings. Tap one to use it.

2 **Big number (yellow)**
Heat plate temperature.

3 **Two blue timers**
Timer 1 (top) runs first, then Timer 2 (bottom) starts by itself.

4 − S +
S = choose what to set. + and − change the number.

Set temperature and time



1. Tap S — temperature

°F blinks. Tap + or − to change it.



2. Tap S — Timer 1

Top timer blinks. Tap + or −.



3. Tap S — Timer 2

Bottom timer blinks. Tap + or −.



4. Tap S to save

Back to the main screen.

Only need one timer? Set Timer 1 to **0** and use Timer 2 only.

Settings save by themselves to whichever preset (1, 2 or 3) is framed on the screen.

Quick reference

I WANT TO…	DO THIS
Switch between my 3 saved settings	Tap 1 2 or 3
Change temperature or time	S → + − → … → S

Ranges: temperature 32–446°F · Timer 1 and Timer 2: 0–999 sec.

5 Your first press

Watch 2:39



1. Set temperature and time, then wait to heat up

MicroTec DTF film: 300°F, 6 seconds. Other transfers: use their settings.



2. Lay the shirt and transfer flat on the free station

Use the station that does NOT have the heat plate over it.



3. Tap the station button

⇔

The heat plate slides over to the loaded station by itself.



4. Press both start buttons with both hands

The plate presses down and the timer starts.



5. Wait for 0

The heat plate lifts by itself. Load the other station while you wait.



6. Peel

MicroTec DTF film: hot peel — peel right away while hot. Other transfers: follow their instructions.



7. Take the shirt off and repeat

Tap ⇔ to send the plate to the other station.

> ⚠ Timer 1 and Timer 2 run one after the other in a single press. Set Timer 1 to 0 if you only want one.

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6 If something is wrong

⚠ Won't turn on

1. Check the plug and the wall outlet.
2. Turn the power switch on.
3. If a breaker on the side has popped out, push it back in.

⚠ Won't press down or won't slide

1. Check the compressor is on and the hose is clicked in.
2. Check the gauge reads 0.4–0.6 MPa.
3. Press both start buttons at the same time.
4. Make sure the red emergency stop is not pushed in.

Temperature jumps around

1. Turn off and unplug first.
2. Then check the sensor cable as shown.

Watch the fix

Screen temperature is not the real temperature

1. Check with a surface thermometer.
2. Set the offset as shown in the video.

Watch the fix

Gets too hot

1. Turn off and unplug.
2. Follow the video to check.

Watch the fix

DTF transfer peels or won't stick

1. Check temperature, time and pressure against your transfer's instructions.

Watch the fix

Specifications

	T1620-APL2-D	T1624-APL2-D
Plate size	15.7″ × 19.6″	15.7″ × 23.6″
Power	120V · 1700W · 14.2A · 60Hz	120V · 1700W · 14.2A · 60Hz
Temperature	32–446°F	32–446°F
Timer	0–999 s	0–999 s
Air pressure	0.4–0.6 MPa (4–6 kg/cm²)	0.4–0.6 MPa (4–6 kg/cm²)
Controller	GY-13	GY-13

Still stuck? Call us.

Phone

(714) 261-9498

Mon–Fri · 7:30 am – 5:00 pm Pacific

Email

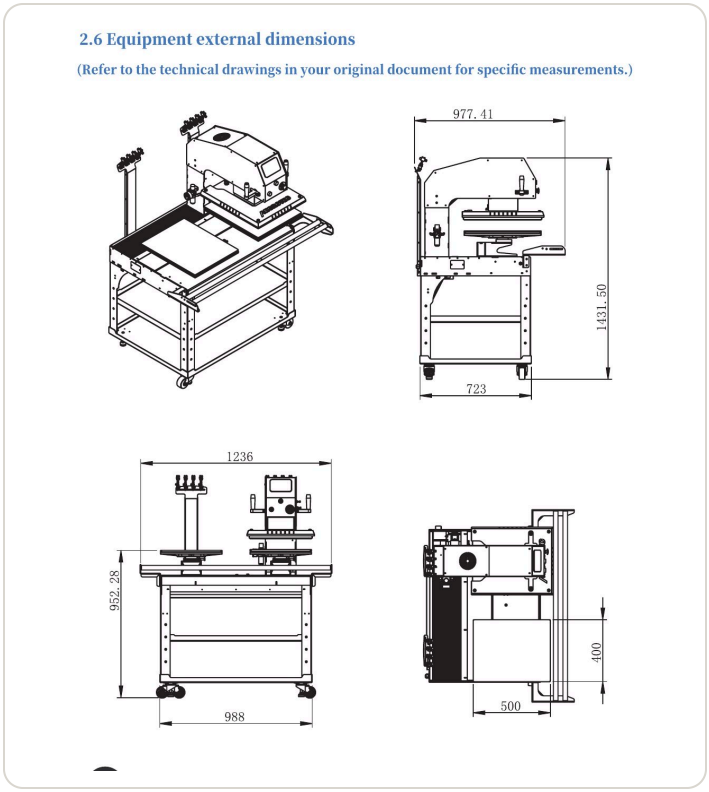
sales@microtecusa.com

Free lifetime tech support

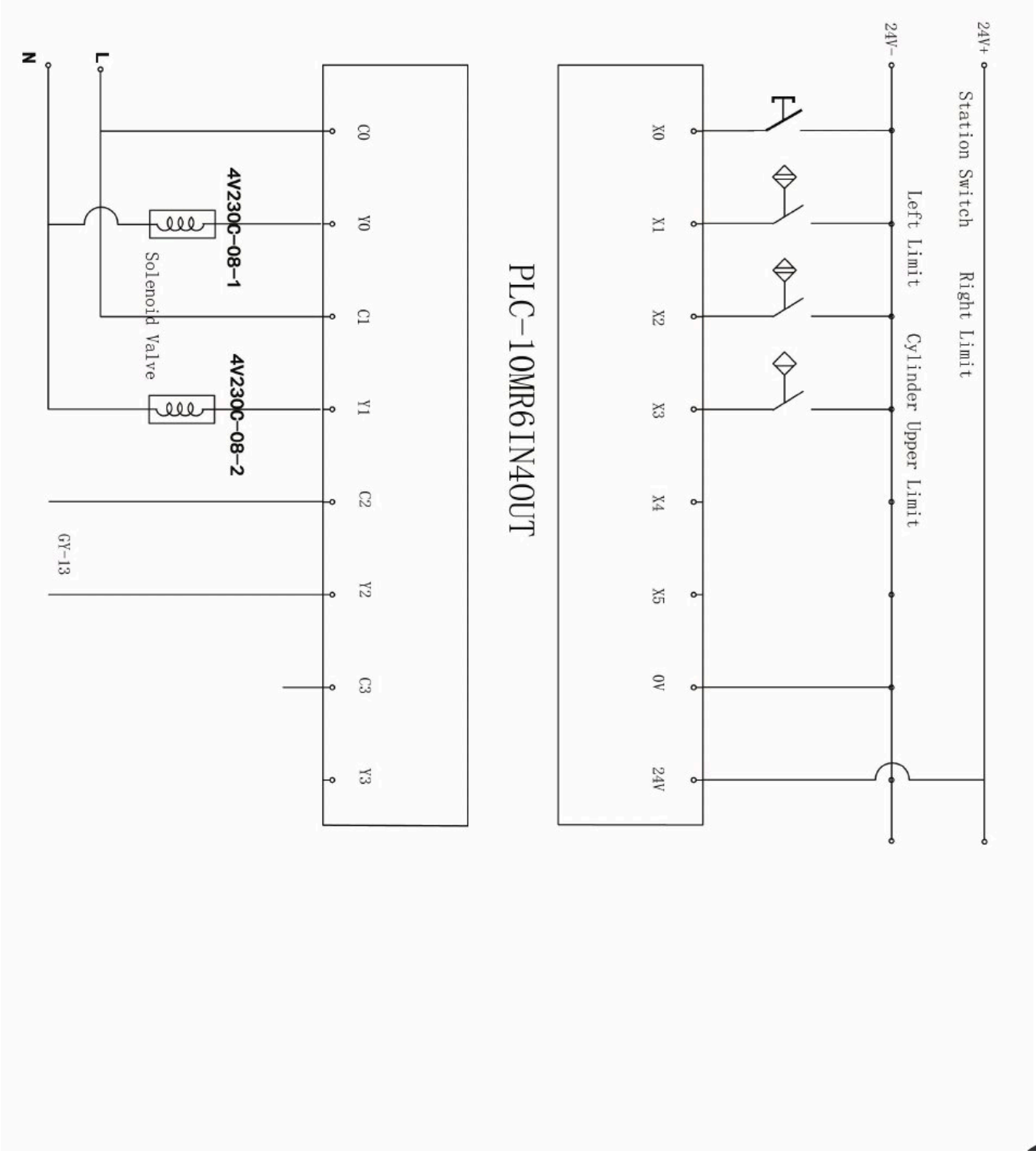
Dimensions & diagrams

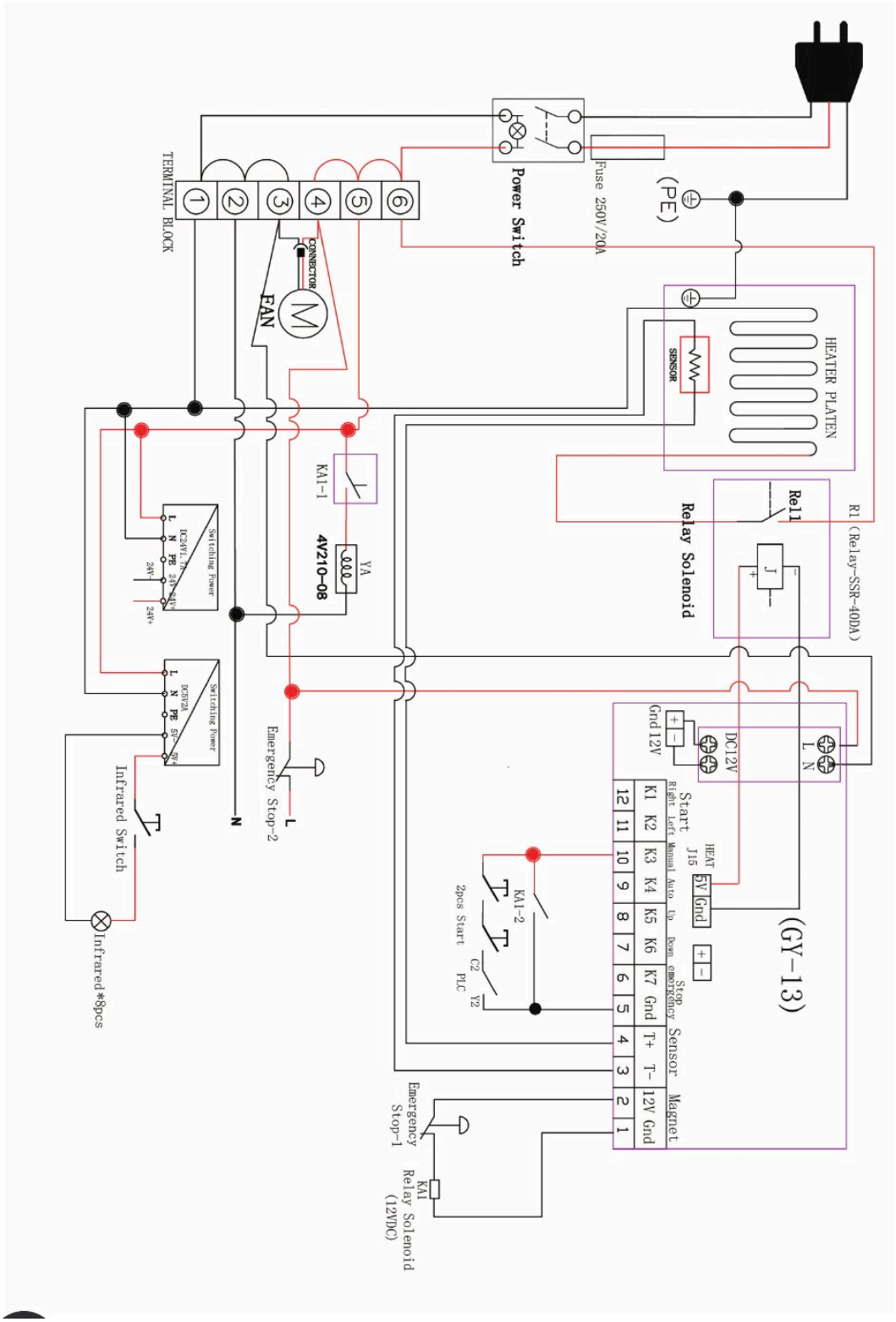
For service technicians. **Unplug the machine** and **disconnect the air** before opening any cover.

Dimensions (mm)

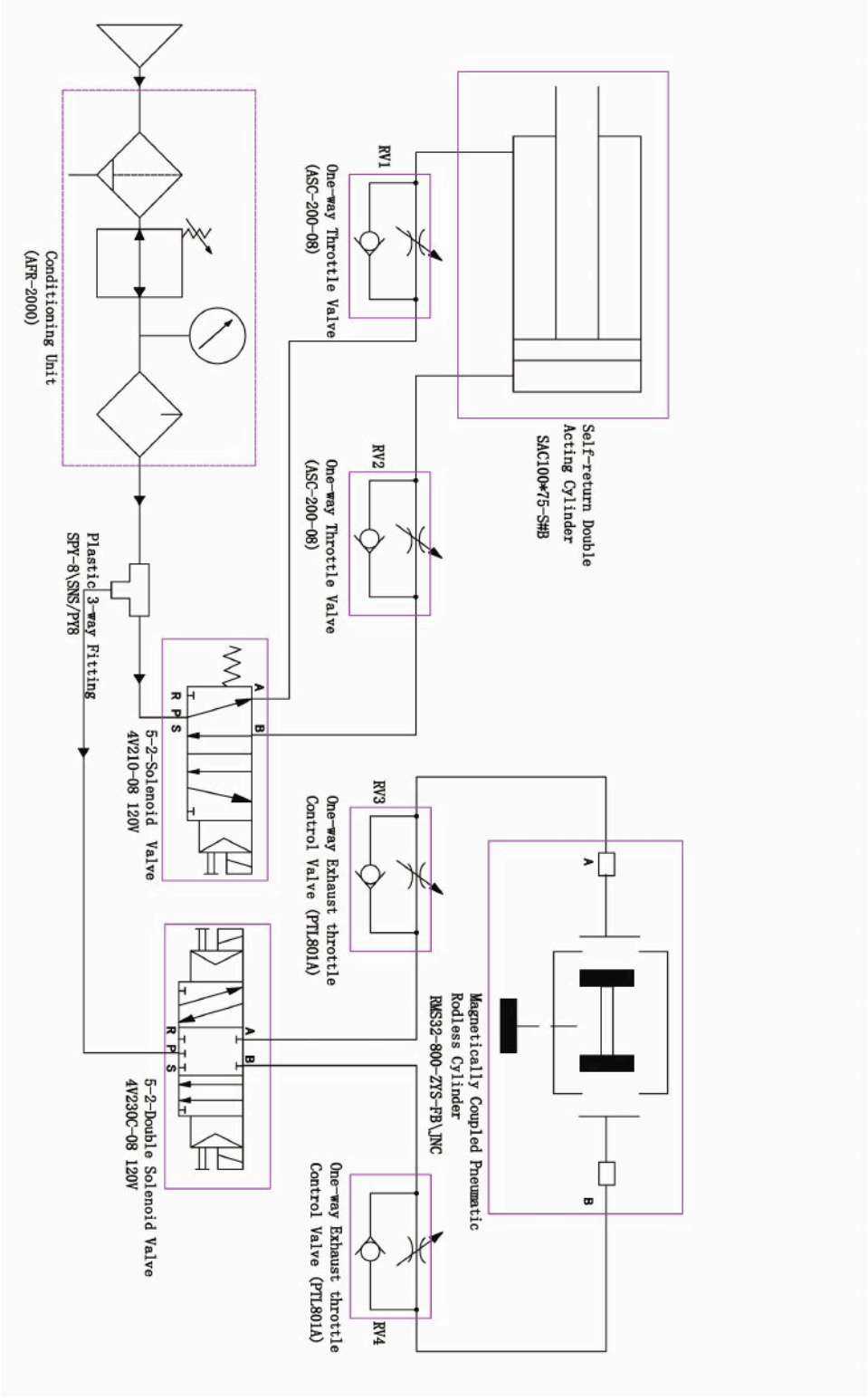


Wiring diagram




R1 (Relay-SSR-40DA)
HEATER PLATEN
SENSOR
Rell
Relay Solenoid
Power Switch
Fuse 250V/20A
(PE)
TERMINAL BLOCK
CONNECTOR
FAN
KA1-1
4V210-08
YA
Switching Power
DC24V1.7A
DC5V2A
Emergency Stop-2
Infrared Switch
Infrared*8pcs
N
L
DC12V
Gnd 12V
Start
Right Left Manual Auto Up Down emergency
HEAT
J15
5V Gnd
Stop
Sensor
Magnet
12V Gnd
T+ T-
K1 K2 K3 K4 K5 K6 K7 Gnd
12 11 10 9 8 7 6 5 4 3 2 1
KA1-2
2pcs Start
C2
PLC
Y2
(GY-13)
Emergency Stop-1
KA1
Relay Solenoid
(12VDC)

Air diagram


Conditioning Unit
(AFR-2000)
Plastic 3-way Fitting
SPY-8\SNS/PY8
5-2-Solenoid Valve
4V210-08 120V
5-2-Double Solenoid Valve
4V230C-08 120V
RV1
One-way Throttle Valve
(ASC-200-08)
RV2
One-way Throttle Valve
(ASC-200-08)
RV3
One-way Exhaust throttle
Control Valve (PTL801A)
RV4
One-way Exhaust throttle
Control Valve (PTL801A)
Self-return Double
Acting Cylinder
SAC100*75-S#B
Magnetically Coupled Pneumatic
Rodless Cylinder
RMS32-800-ZTS-FB\JNC
A
B
R
P
S
T