MICROTEC

TITAN QUICK GUIDE

T1620-AEL2-D | T1624-AEL2-D

TITAN Auto / Semi-Auto Dual Station Electric Heat Press

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.

The machine moves by itself
The heat plate slides sideways and presses down on its own. 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. The heat plate lifts up and stops right away. If the blue-rimmed safety bar around the heat plate touches a hand while going down, the press also stops and lifts.

1 Unbox



1. Turn the box on its side

Two people. The machine is heavy.



2. Open the bottom of the box

Cut the tape on the bottom flaps.



3. Slide the machine out

Lift by the frame, never by the handle or control box.



4. Keep all packaging

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

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2 Set up







1. Roll it onto a level floor

Leave room on both sides — the heat plate slides left and right. You can lower the leveling feet to keep it from rolling; this is optional. The lasers come already installed.

2. Plug into a grounded outlet

A grounded 120V outlet. No extension cord.

3. Check the heat plate plug

The big gray plug on the side must be pushed in and latched.

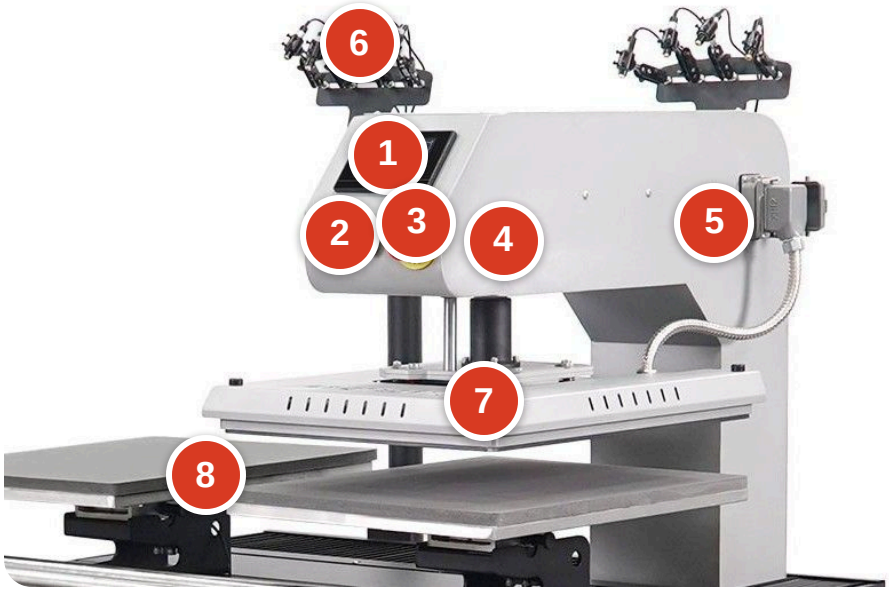


4. Turn on the main power switch

Red rocker switch on the side.

The screen lights up.

3 Know your machine



1 Touch screen

Set pressure, temperature and time.

2 Mode switch and station button ⇔

Switch: left = Semi-Auto, right = Auto. ⇔ sends the heat plate to the other station.

3 Red EMERGENCY STOP

Press to stop and lift the plate at once.

4 Green start buttons (left and right)

Press both together with both hands.

5 **Main power switch**
Red rocker switch. The big heat plate plug is next to it.

6 **Alignment lasers**
Installed at the factory. Their switch is on the mount.

7 **Heat plate (HOT) with safety bar**
Do not touch. The blue-rimmed bar stops the press if it touches something.

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

⚠ **Electrical box** in the cabinet: do not open it.

4 Touch screen



1 **P- (top left)**
Press-down pressure, 0 to 8.

2 **1 · 2 · 3**
Your 3 saved settings. Tap one to use it.

3 **Big number**
Heat plate temperature.

4 **Two timers**
Timer 1 (top) and Timer 2 (bottom).

5 [−] [S] [+]
S = choose what to set. + and − change the number.

6 **Counter**
Counts finished presses. Press and hold to reset.

7 **Speaker icon**
Mutes the alarm.

Set temperature and time

1. Hold S for 3 seconds

The heat plate must be all the way up. P- blinks: set pressure with + or −.

2. Tap S — temperature

°F blinks. Tap + or −.

3. Tap S — Timer 1

Top "s" blinks. Tap + or −.

4. Tap S — Timer 2

Bottom "s" blinks. Tap + or −.

5. Tap S to finish

Saved to the preset (1, 2 or 3) that is framed.

If you touch nothing for 10 seconds, the screen leaves settings by itself.

Quick reference

I WANT TO…	DO THIS
Switch between my 3 saved settings	Tap [1] [2] or [3]
Clear the counter	Hold the counter

I WANT TO…	DO THIS
Turn off the alarm sound	Tap the speaker icon
Change °C / °F, heating on / off, or the wait time between stations	Hold the line at the top right of the screen to open the next page

Ranges: pressure 0–8 · temperature 32–446°F · Timer 1 and Timer 2: 0–999 sec.

5 Your first press (Semi-Auto)



1. Set pressure, temperature and time

MicroTec DTF film: 300°F, 6 seconds. Other transfers: use their settings. Wait until it heats up.



2. Lay the shirt and transfer on a lower station

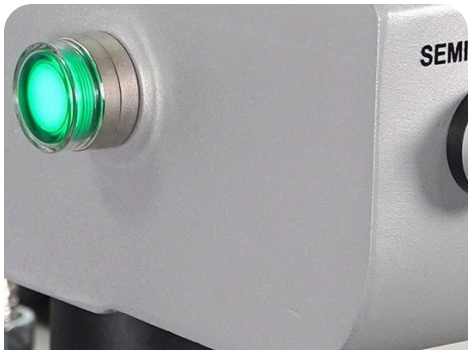
Flat and smooth.



3. Turn the mode switch to the LEFT — Semi-Auto

In this mode you start each press yourself.







4. Tap the station button

⇔

The heat plate slides over to the loaded station.

5. Press both green start buttons together

The plate goes down and the timer starts. At 0 it lifts by itself.

6. Peel and take the shirt off

MicroTec DTF film: hot peel — peel right away while hot. Other transfers: follow their instructions. Load the other station and repeat.

Auto mode: turn the mode switch to the RIGHT and press both start buttons. The plate slides over, presses, lifts, then moves to the other station and repeats on its own until you stop it.

In Auto mode the machine keeps moving. Only load the station the plate is NOT over. Press the red EMERGENCY STOP to stop.

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6 If something is wrong

Won't turn on

1. Check the plug and the wall outlet.
2. Turn the main power switch on.
3. Make sure the red emergency stop is not pushed in.

No heat

1. Check the big heat plate plug on the side is pushed in and latched.
2. Check heating is turned on (second screen page).

Won't press down

1. Press both start buttons at the same time.
2. Check the plate is over a station.
3. Make sure nothing touches the safety bar around the heat plate.

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-AEL2-D	T1624-AEL2-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
Pressure setting	0–8	0–8
Controller	GY-13	GY-13

Still stuck? Call us.

Phone

(714) 261-9498

Mon–Fri · 7:30 am – 5:00 pm Pacific

Email

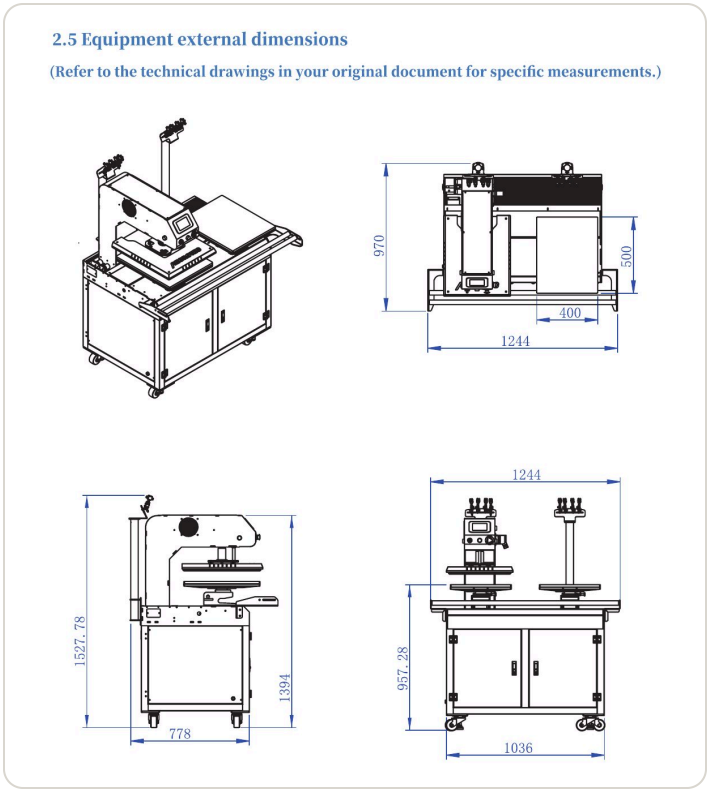
sales@microtecusa.com

Free lifetime tech support

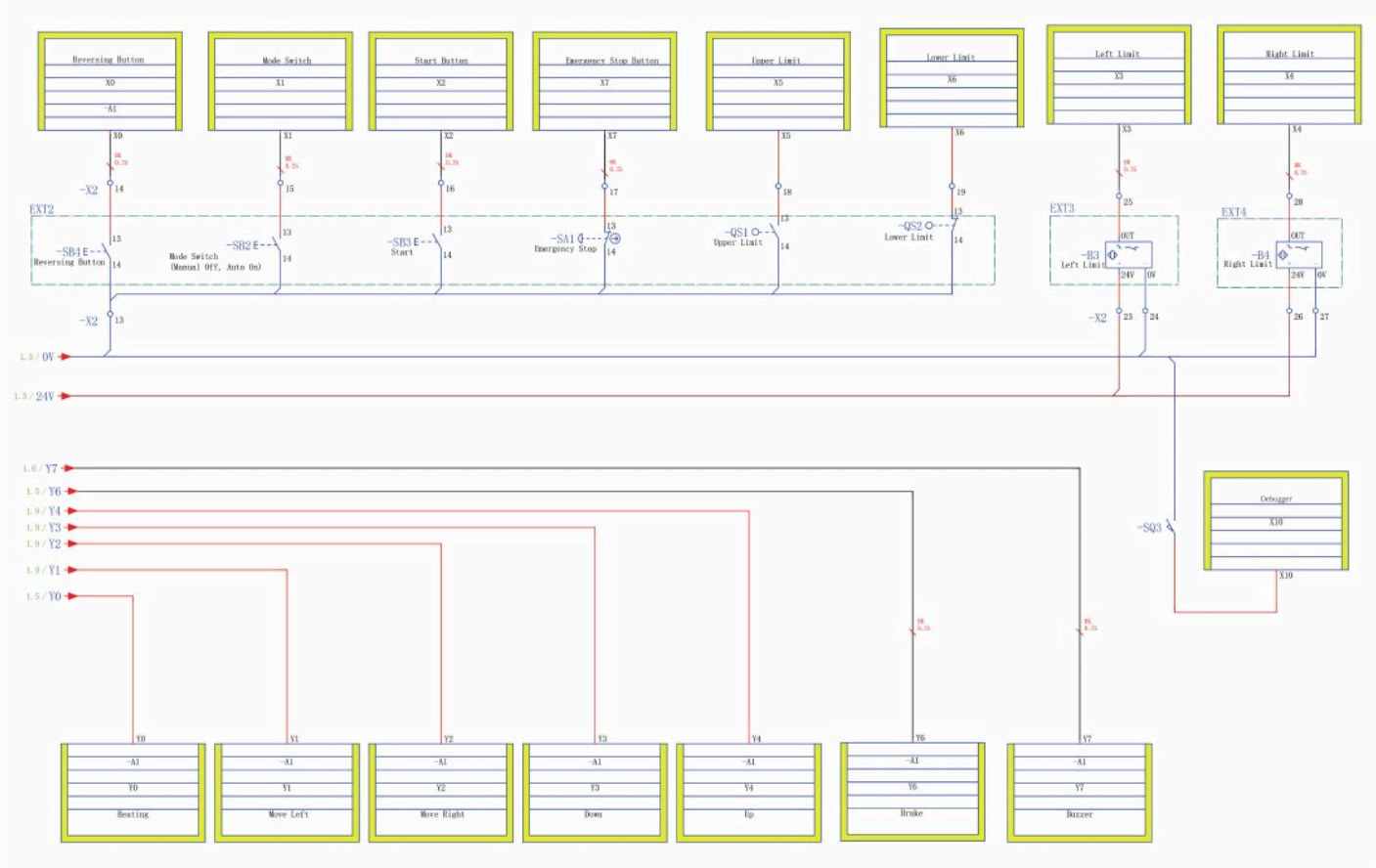
Dimensions & diagrams

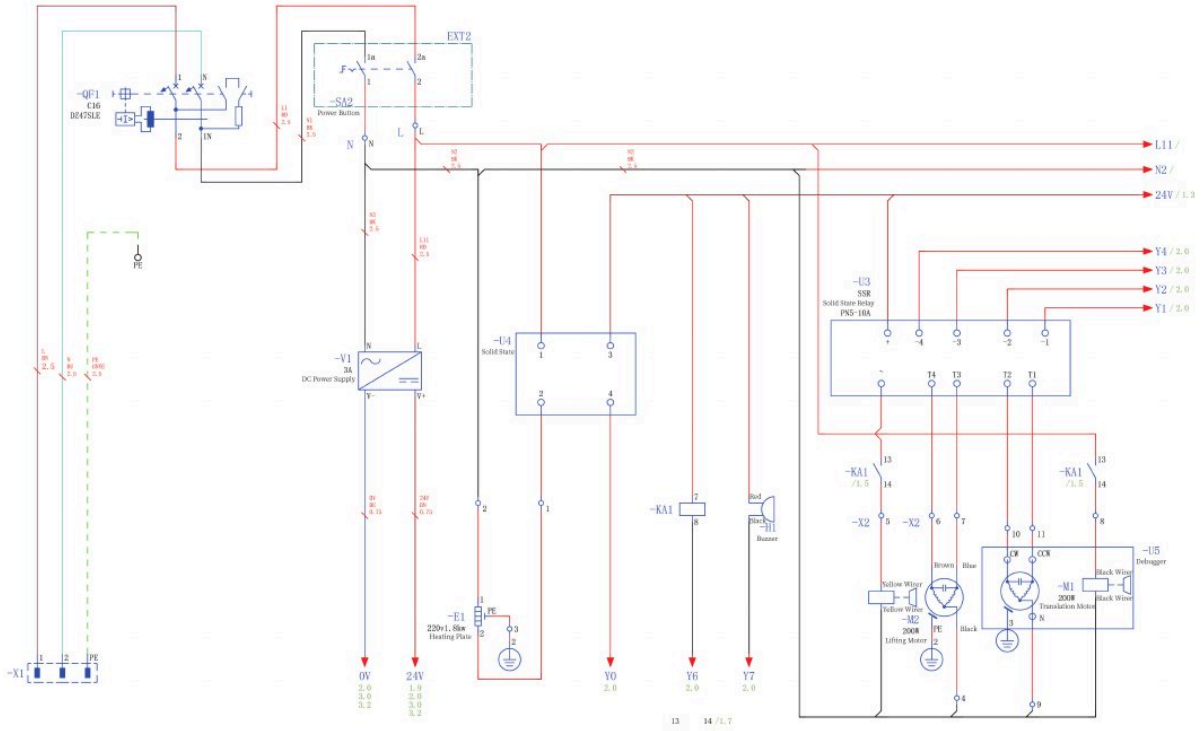
For service technicians. **Unplug the machine** before opening any cover.

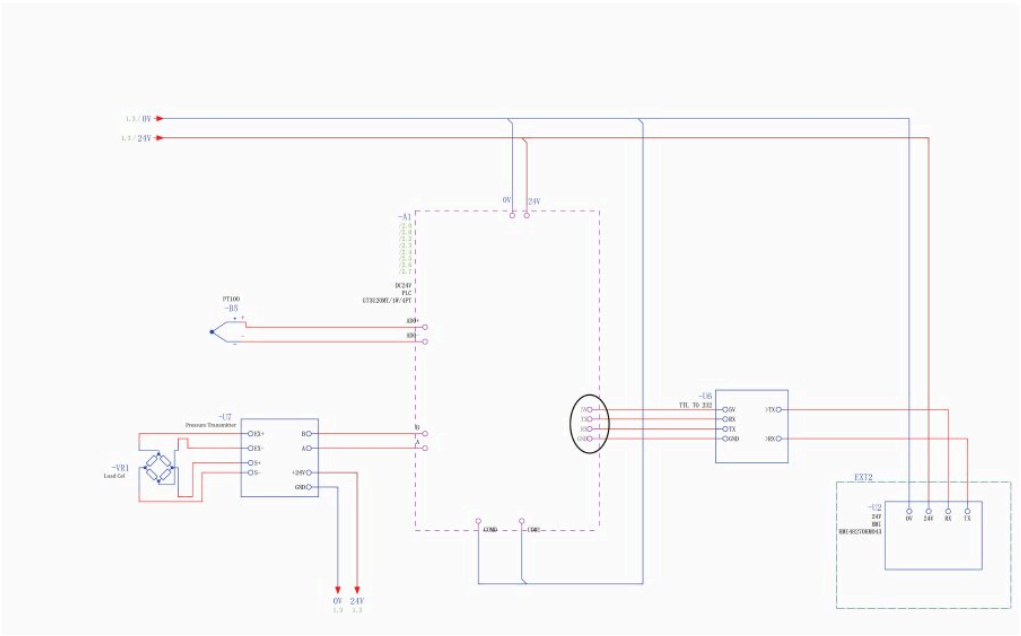
Dimensions (mm)

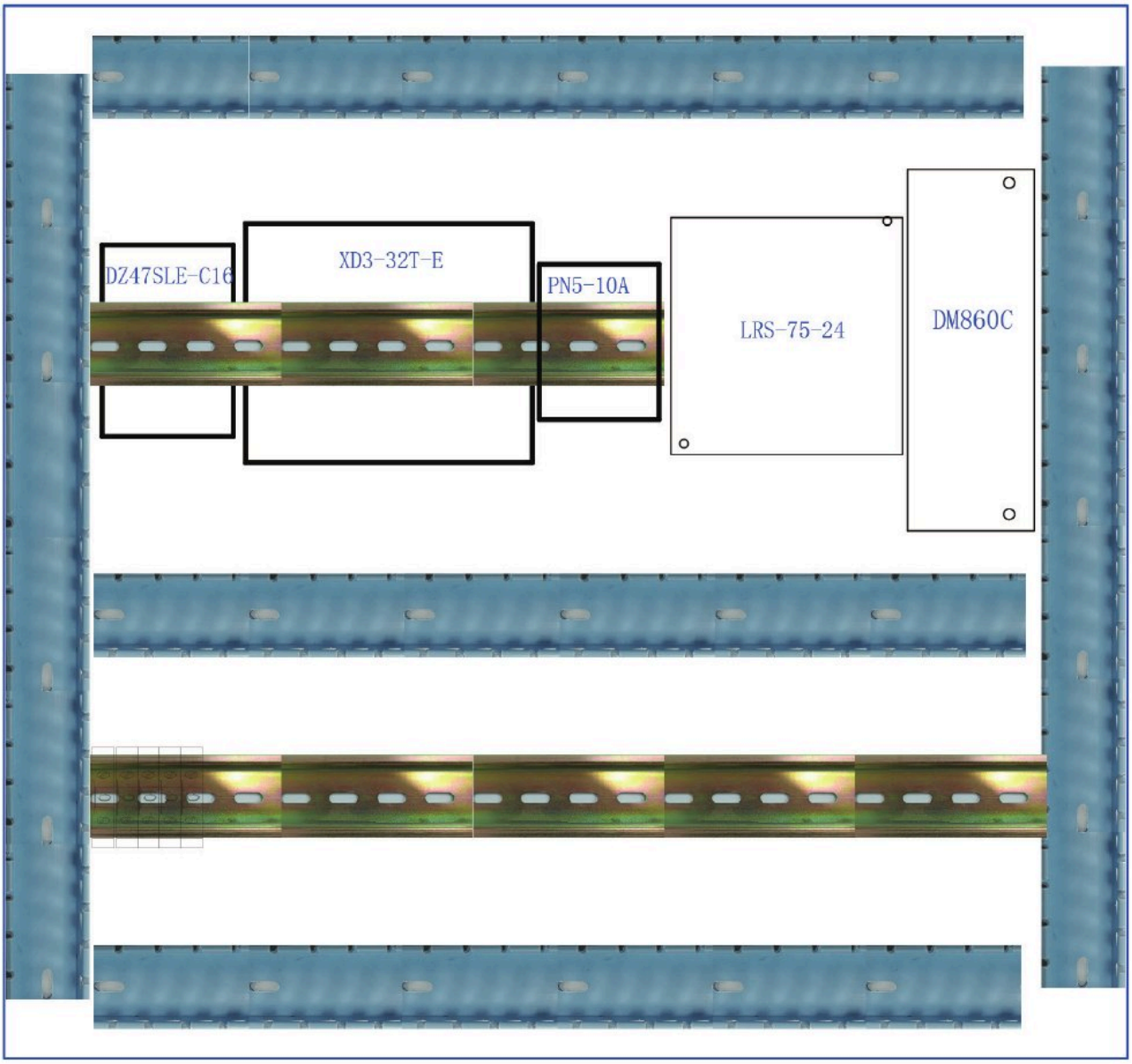


Wiring diagram




EXT2
-QF1
C16
DZ47SLE
-SA2
Power Button
L11 /
N2 /
24V / 1.3
Y4 / 2.0
Y3 / 2.0
Y2 / 2.0
Y1 / 2.0
PE
-V1
3A
DC Power Supply
-U4
Solid State
-U3
SSR
Solid State Relay
PNS-10A
-KA1
/1.5
-X2
-U5
Debugger
-M1
200W
Translation Motor
-M2
200W
Lifting Motor
Yellow Wire
Brown
Blue
Black Wire
Black
-H1
Buzzer
-E1
220v1.8kw
Heating Plate
-X1
0V
24V
Y0
Y6
Y7
13
14 /1.7


1.3 / 0V
1.3 / 24V
-A1
DC24V
PLC
GT32200E/16/4PT
PT100
-B5
-U7
Pressure Transmitter
-VR1
Load Cel
-U6
TTL TO 232
EXT2
-U2
0V
24V
RX
TX
0V
24V


DZ47SLE-C16
XD3-32T-E
PN5-10A
LRS-75-24
DM860C