

## 4. 電氣規範

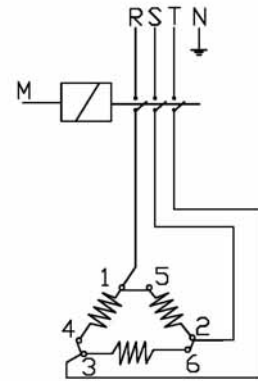
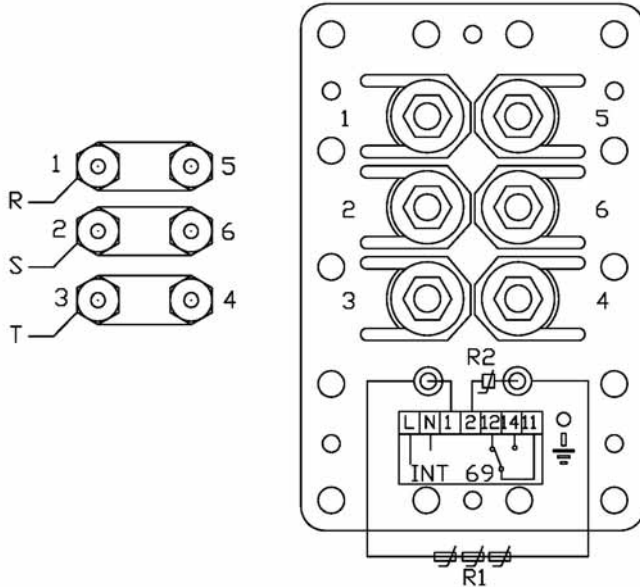
## 4. ELECTRIC SPECIFICATION

### 4.1 電氣結線方式

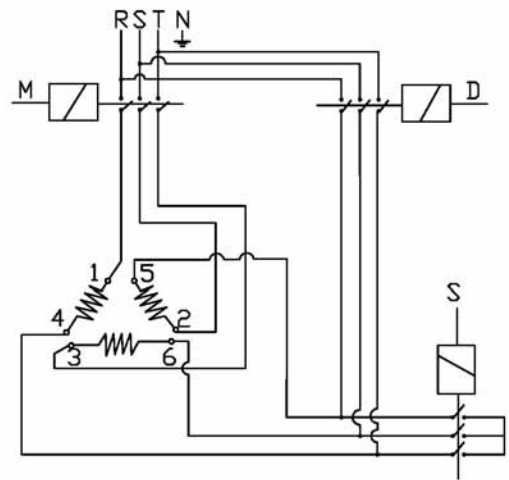
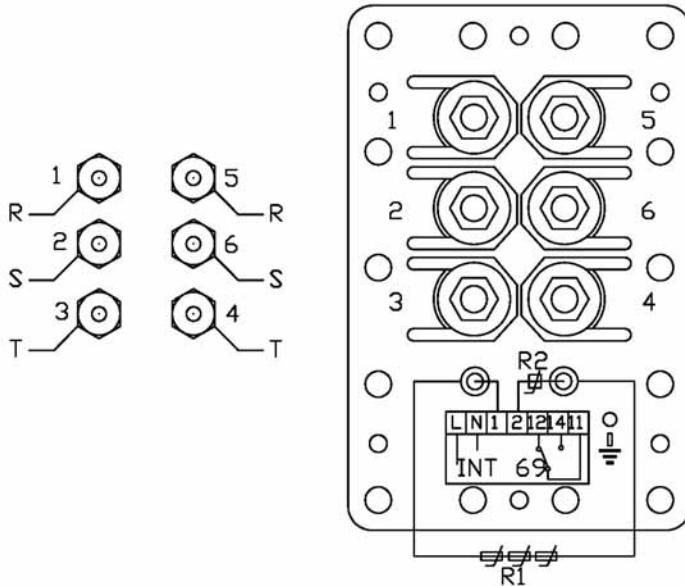
### 4.1 Electric wiring configuration

接線端子示意圖 Terminal plate illustrated diagram

◆直接啓動 Direct on line



◆Y-△啓動 Star delta



◆注意 Caution:

導柱銅螺帽最大容許鎖緊扭力 The maximum allowed torque of terminal nuts are:  
M12 : 50N-M ; M14 : 60N-M

◆符號說明 Legend:

R1: Motor thermistor PTC  
R2: Discharge Temp. thermistor PTC  
R-S-T: Power supply  
M, S: Start contactors  
M, D: Run contactors

L/N: Phase/neutral 230V(115V) - 50Hz/ 60Hz  
11/14: Control circuit(NO)  
11/12: Control circuit(NC)  
1/2 : Conn. wires to thermistor(INT69)

## 7. 產品配件

### 7.1 配件規格

#### 7.1.1 容調電磁閥

容調電磁閥之控制電壓系採 220V，不得用異於 220V 電壓輸入，若有特殊需求 110V 之控制電壓，請與復盛公司聯繫更換電磁閥線圈。

#### 7.1.2 加熱器

- ◆種類：  
150W 或 300W；110V 與 220V 兩種電壓選擇。
- ◆絕緣值：  
以 500VDC 高阻計量測絕緣值 50MΩ 以上。

#### 7.1.3 油位開關

- ◆絕緣值：  
以 200VDC 高阻計量測，絕緣值 10MΩ 以上；
- ◆最高使用電壓：AC230V
- ◆最高允許電流：0.5A
- ◆乾接點，高液位時閉路；低液位時開路。

#### 7.1.4 馬達及排氣溫度 PTC 控制模組:INT69

- ◆電壓：  
230V, 1phase (其他電壓 115V)
- ◆電驛：  
AC240, 2.5A, 360VA, 單極雙投，自動復歸。

#### 7.1.5 馬達線圈溫度保護

- ◆量測電阻最高容許電壓: DC 2.5V.
- ◆環境溫度下電阻值：小於 750Ω.
- ◆絕緣強度：600VAC.

#### 7.1.6 排氣溫度保護

- ◆量測電阻最高容許電壓: DC 2.5V
- ◆環境溫度下電阻值：小於 550Ω
- ◆絕緣強度：600VAC

## 7. PRODUCT SCOPE

### 7.1 Fittings specification

#### 7.1.1 Solenoid valve

The standard control voltage is 220V. Other voltage is available on request.

#### 7.1.2 Oil Heater

- ◆Model:  
150W and 300W; Standard Voltage: 220V. Other voltage is available on request.
- ◆Insulation value:  
50MΩ or above measured by 500VDC Mega-ohmmeter.

#### 7.1.3 Oil level switch

- ◆Insulation value:  
10MΩ or above measured by 200VDC Mega-ohmmeter;
- ◆Maximum allowable voltage: AC230V
- ◆Maximum allowable current: 0.5A
- ◆Dry contact, High level remain close while open at low level.

#### 7.1.4 PTC control module of motor and discharge temperature: INT69

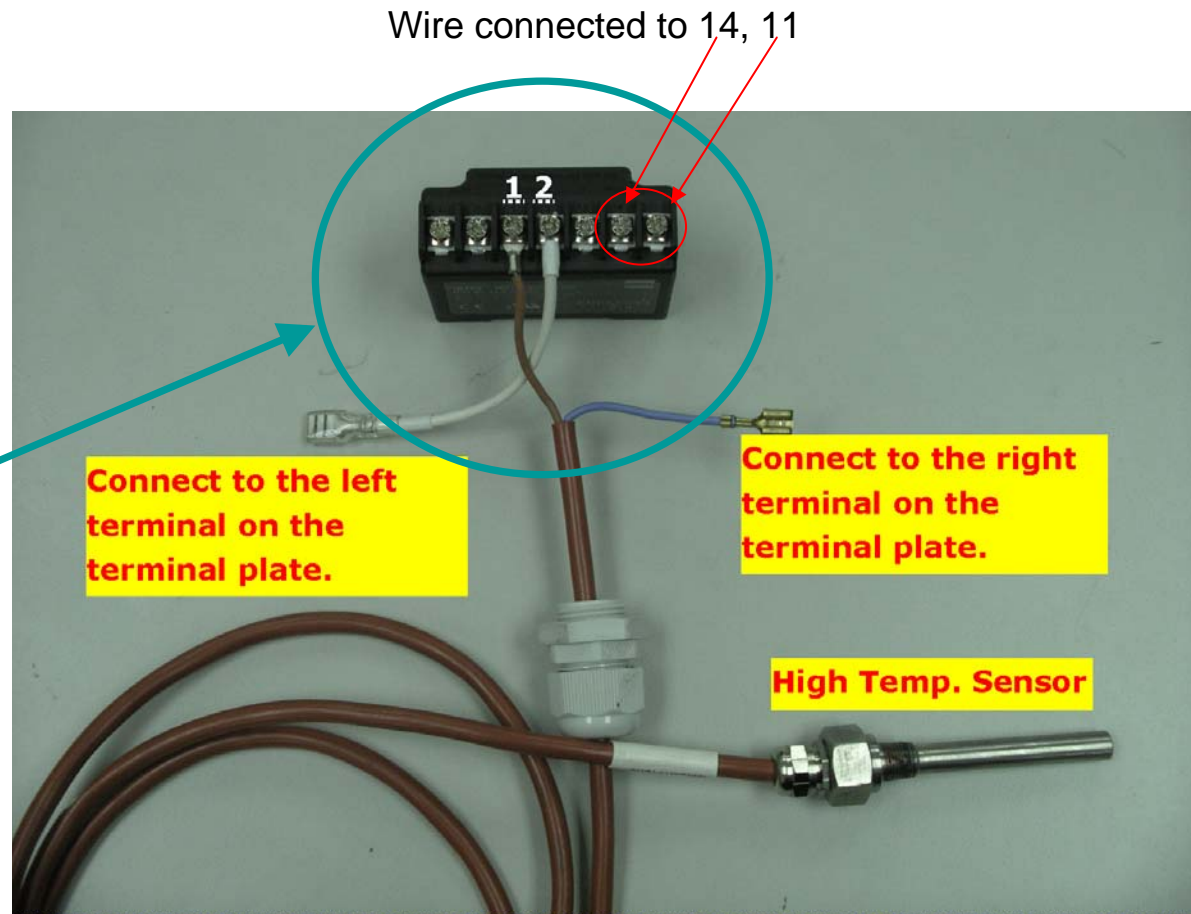
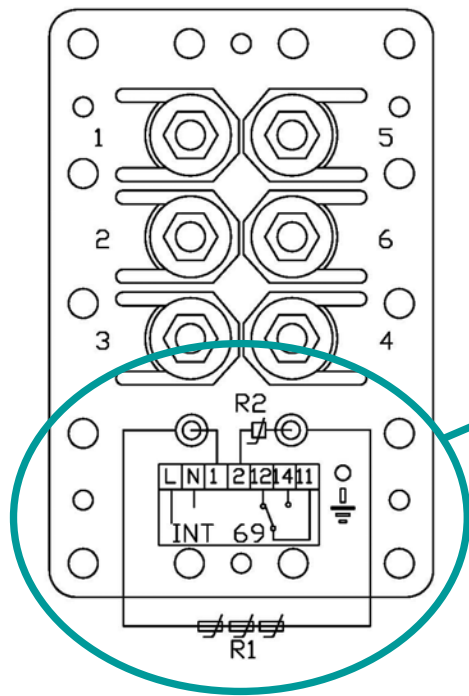
- ◆Voltage:  
230V, 1 phase (115V is available on request)
- ◆Relay:  
AC240, 2.5A, 360VA, SPDT, auto reset.

#### 7.1.5 PTC thermistor of motor winding protection

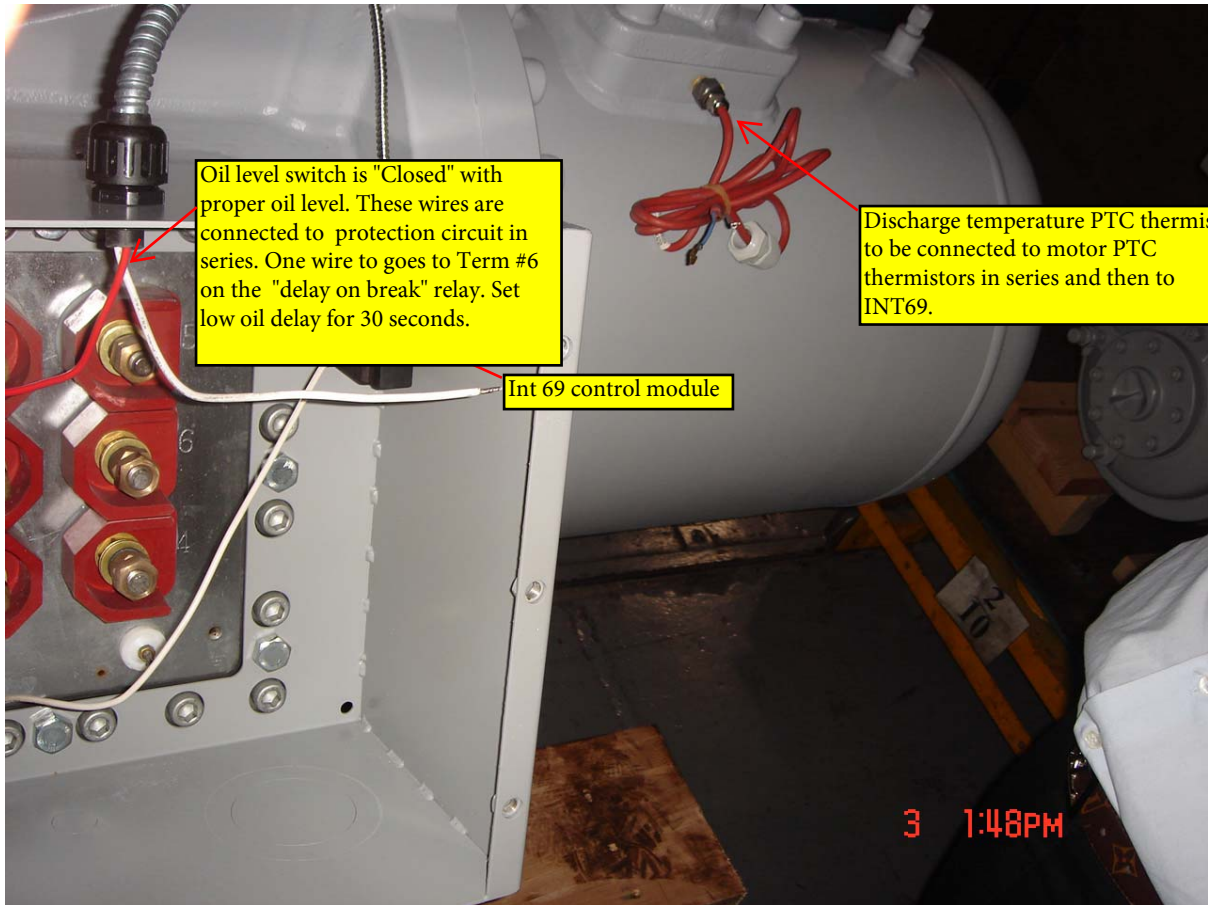
- ◆Maximum allowable voltage for measuring resistance: DC 2.5V ;
- ◆Resistance under ambient temperature: less than 750Ω ;
- ◆Insulation strength: 600VAC.

#### 7.1.6 PTC thermistor for discharge temperature protection

- ◆Maximum allowable voltage for measuring resistance: DC 2.5V;
- ◆Resistance under ambient temperature: less than 550Ω ;
- ◆Insulation strength: 600VAC



**Motor and discharge temperature wiring**

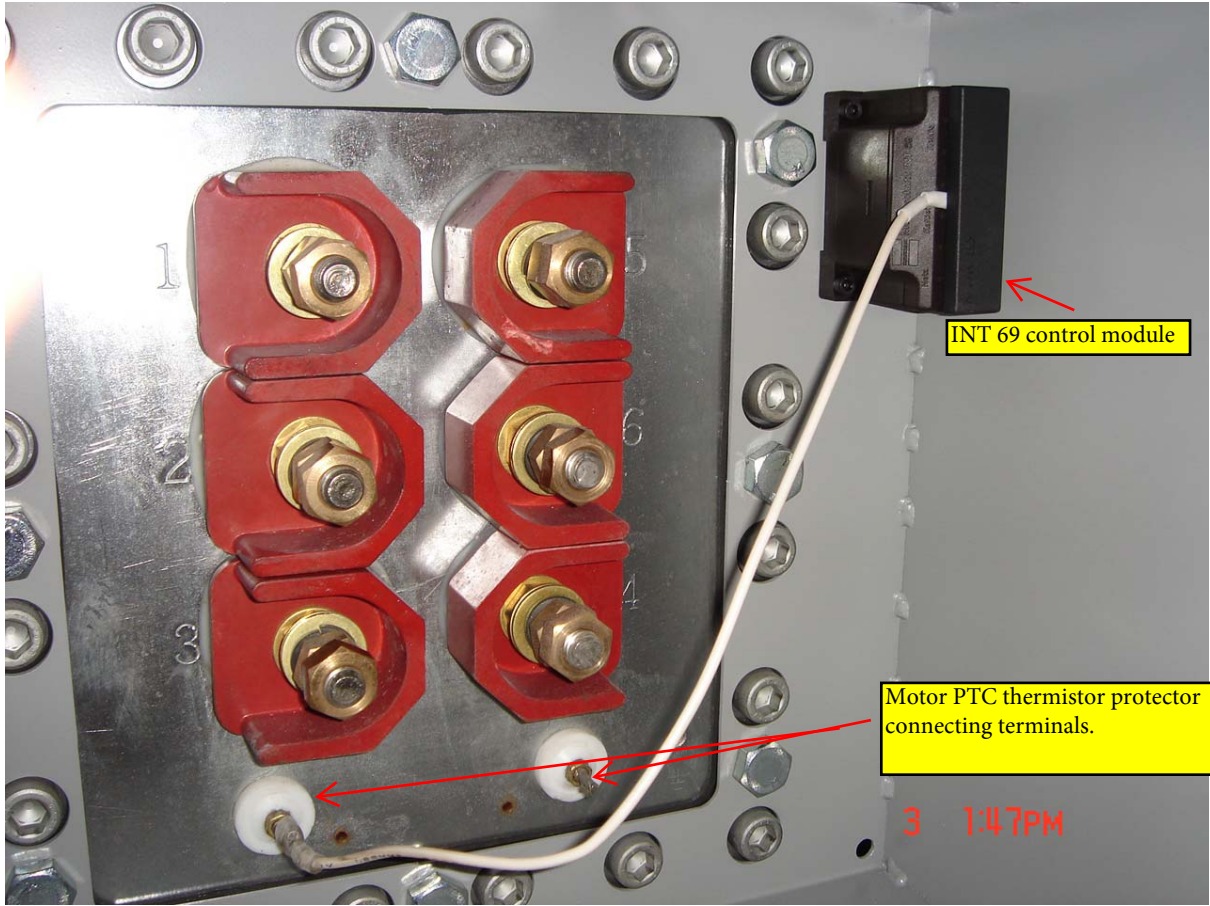


Oil level switch is "Closed" with proper oil level. These wires are connected to protection circuit in series. One wire goes to Term #6 on the "delay on break" relay. Set low oil delay for 30 seconds.

Discharge temperature PTC thermistor to be connected to motor PTC thermistors in series and then to INT69.

Int 69 control module

3 1:48PM



INT 69 control module

Motor PTC thermistor protector connecting terminals.

3 1:47PM