AFR-1
AFS-1

Automatic Water Supply

AFR-1
AFS-1

R S T   Power supply
           AC 220V

MCCB

(See note 1)

6 5   4 3
   U   E2 U E1

24V Control circuit

220V 8V

E3

7 8 1 2

※

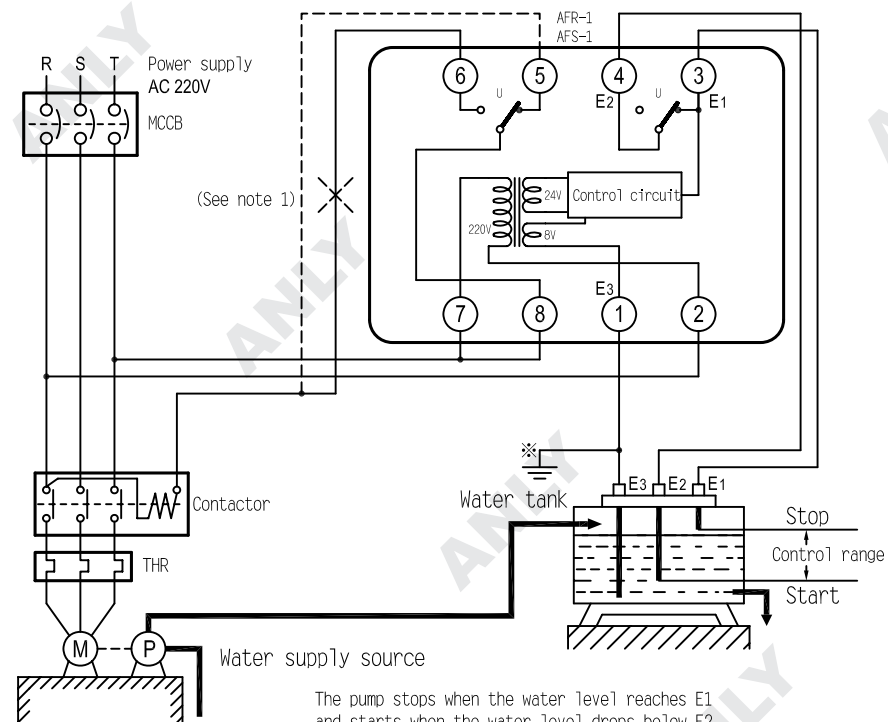Contactor

THR

Water tank

E3 E2 E1

Stop
Control range
Start

M P   Water supply source

The pump stops when the water level reaches E1
and starts when the water level drops below E2.
Note: 1.The diagram shows the connections for the water supply.
         When draining, change the connection from terminal 6 to 5.
      2.Be sure to ground terminal E3.

ANLY ELECTRONICS CO.,LTD		
TITLE:AFR-1 and AFS-1 Connection Diagram		
FILE:AFR1_CDe		
DATE:2008.05.19	MATERIAL:	THICKNESS:
SCALE:A4(1:1)	UNIT:	TOLERANCE:
DRAWN BY:Gunter Liu	DESIGNED BY:T.Y. Cheng	

A61F-G

Automatic Water Supply
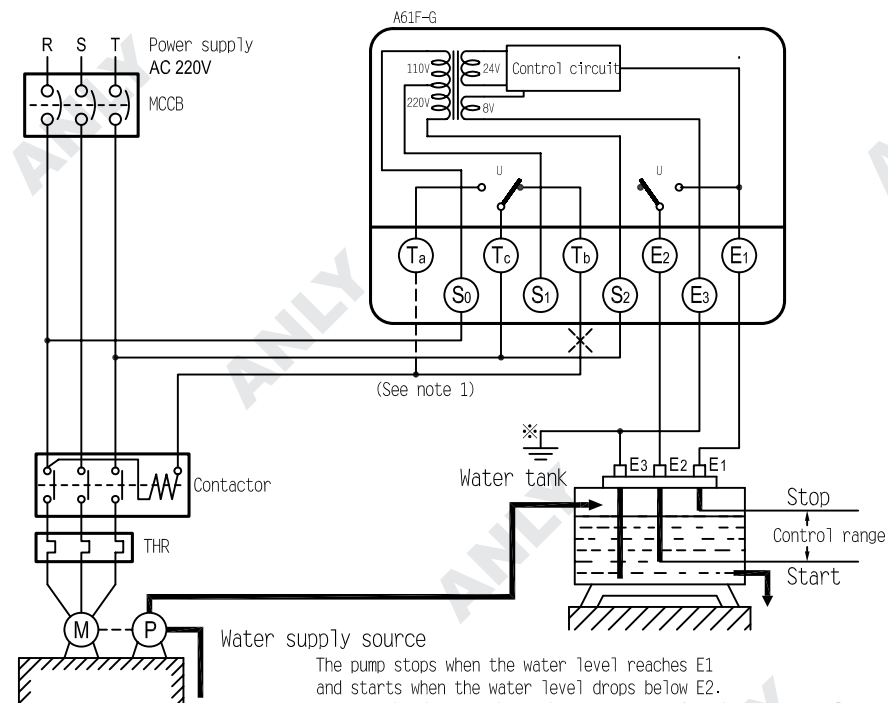
A61F-G

Control circuit

110V 24V
220V 8V

Power supply
AC 220V

R S T

MCCB

Ta Tc Tb E2 E1
S0 S1 S2 E3

(See note 1)

Contactor

THR

M P

Water tank

Water supply source

Water supply source
The pump stops when the water level reaches E1
and starts when the water level drops below E2.
Note: 1.The diagram shows the connections for the water supply.
When draining, change the connection from terminal Tb to Ta.
2.Be sure to ground terminal E3.

E3 E2 E1

Stop

Control range

Start

A61F-G1 Automatic Water Supply Control with Pump Idling Prevention
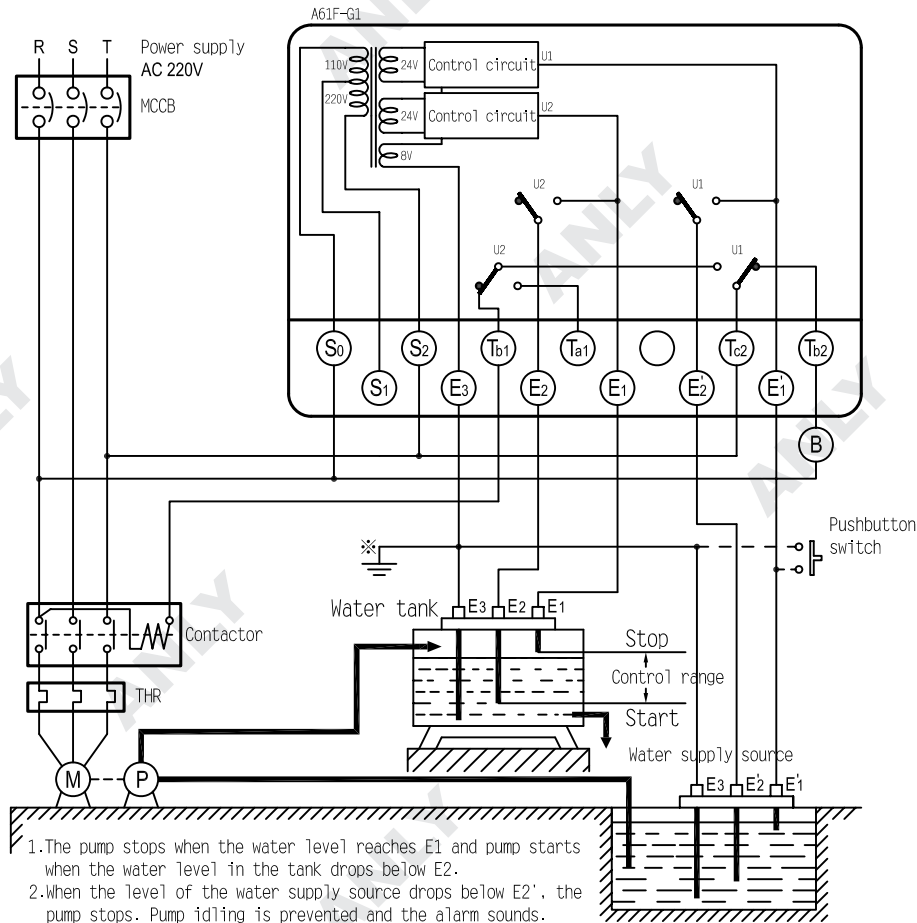
R S T Power supply AC 220V MCCB

A61F-G1

110V 24V Control circuit U1
220V 24V Control circuit U2
8V

U2 U1
U2 U1

S0 S2 Tb1 Ta1 ◯ Tc2 Tb2
S1 E3 E2 E1 E2 E1
B

※ Pushbutton switch

Contactor

THR

Water tank E3 E2 E1
Stop
Control range
Start

Water supply source
E3 E2' E1'

M P

1. The pump stops when the water level reaches E1 and pump starts when the water level in the tank drops below E2.
2. When the level of the water supply source drops below E2', the pump stops. Pump idling is prevented and the alarm sounds.
3. Insert a Pushbutton switch(NO contact) between E1' and E3 as shown by the dotted line. When starting the pump or after recovering from a power failure, if the water supply source level has not yet reached E1', press the pushbutton switch to start the pump by momentarily short-circuiting E1' and E3. When the pump stops during normal operation subsequent to an alarm issued for a low water level (e.g., the water level does not reach E2'), do not press the pushbutton switch.

A61F-G1 Automatic Water Supply Control with Abnormal Water Shortage Alarm
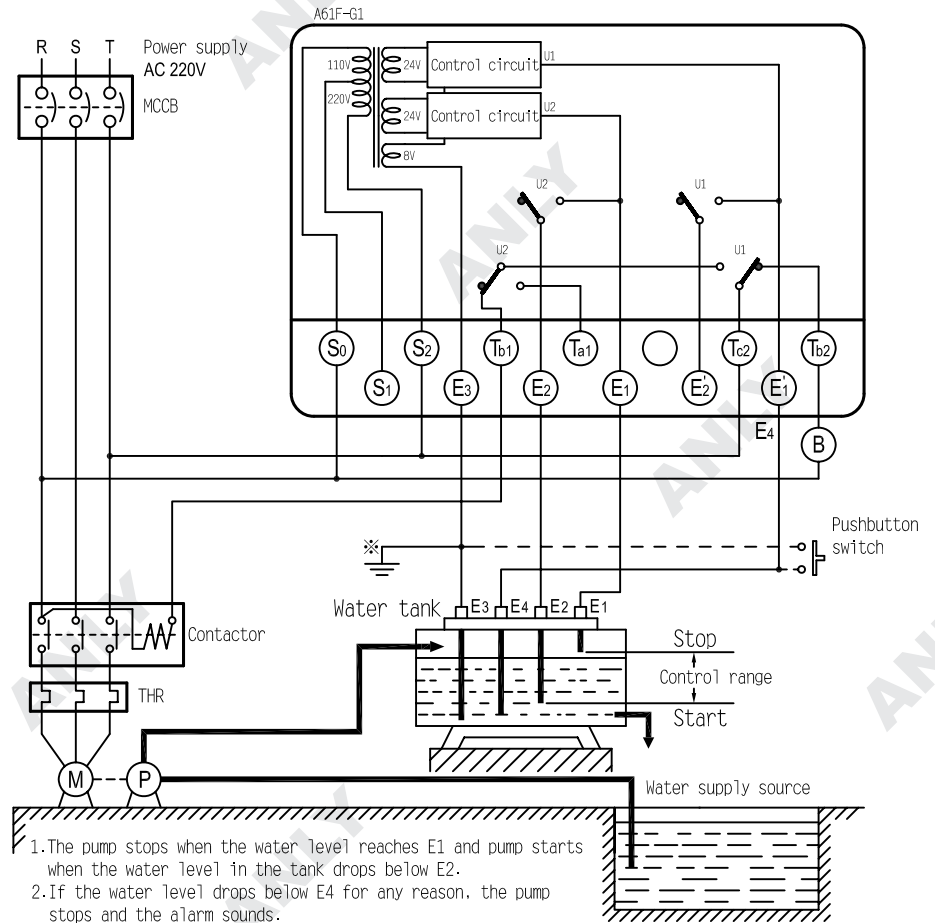
R S T Power supply AC 220V MCCB

A61F-G1

110V 24V Control circuit U1
220V 24V Control circuit U2
8V

U2 U1
U2 U1

S0 S2 Tb1 Ta1 ◯ Tc2 Tb2
S1 E3 E2 E1 E2 E1
E4 B

※ Pushbutton switch

Contactor

THR

Water tank E3 E4 E2 E1
Stop
Control range
Start

Water supply source

M P

1. The pump stops when the water level reaches E1 and pump starts when the water level in the tank drops below E2.
2. If the water level drops below E4 for any reason, the pump stops and the alarm sounds.
3. Insert a Pushbutton switch(NO contact) between E3 and E4. When starting the pump or after recovering from a power failure, if the water level has not yet reached E4, press the pushbutton switch to start the pump by short-circuiting E3 and E4. If the pump stops upon releasing the pushbutton switch, keep pressing the pushbutton switch.

ANLY ELECTRONICS CO.,LTD		
TITLE:A61F-G1 Connection Diagram		
FILE:A61FG1_CDe		
DATE:2008.05.19	MATERIAL:	THICKNESS:
SCALE:A4(1:1)	UNIT:	TOLERANCE:
DRAWN BY:Gunter Liu	DESIGNED BY:T.Y. Cheng	

A61F-G2 Automatic Drainage Control with Abnormal Water Increase Alarm

A61F-G2 Automatic Water Supply with Abnormal Water Increase Alarm

1. The pump starts when the water level reaches E1 E2 and stops when the water level drops below E2.
2. If the water level reaches E4 for any reason, the alarm sounds.

1. The pump starts when the water level reaches E2 and stops when the water level rises to E1.
2. If the water level reaches E4 for any reason, the alarm sounds.

ANLY ELECTRONICS CO.,LTD		
TITLE:A61F-G2 Connection Diagram		
FILE:A61FG2_CDe		
DATE:2008.05.19	MATERIAL:	THICKNESS:
SCALE:A4(1:1)	UNIT:	TOLERANCE:
DRAWN BY:Gunter Liu	DESIGNED BY:T.Y. Cheng	

Water-supply running
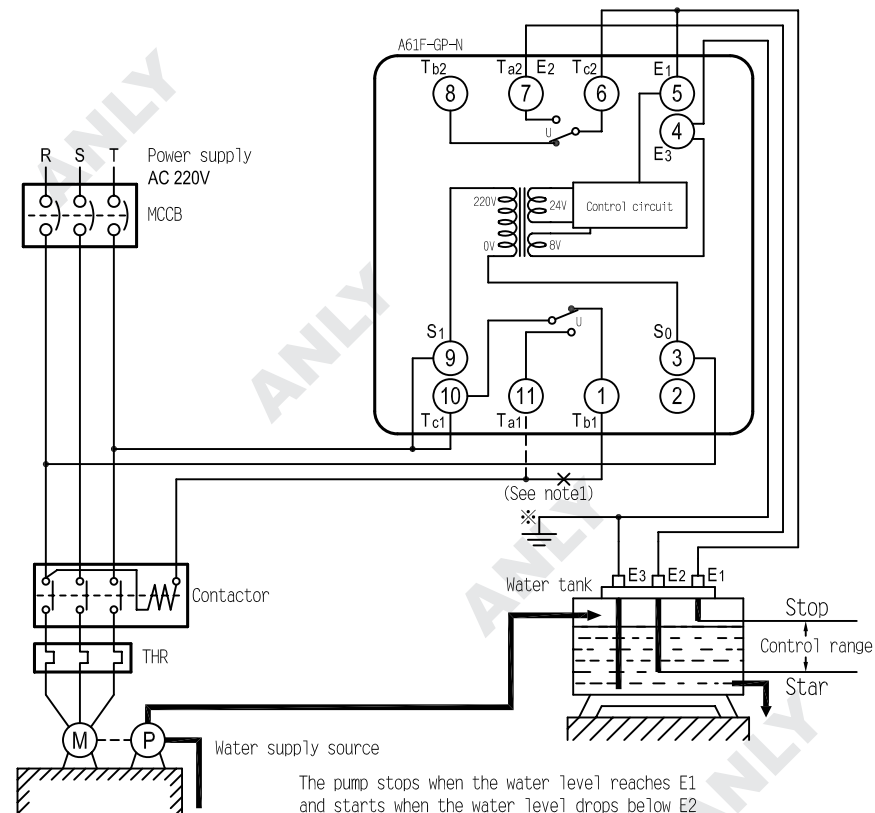
A61F-GP-N

| Tb2 | Ta2 | E2 | Tc2 | | E1 |
| 8 | 7 | | 6 | | 5 |

U

4

E3

220V 24V Control circuit
0V 8V

S1   U   S0
9   3
10   11   1   2
Tc1 Ta1 Tb1

(See note1)

※

R S T Power supply
AC 220V

MCCB

Water tank   E3 E2 E1

Contactor

THR

M P Water supply source

Stop
Control range
Star

The pump stops when the water level reaches E1
and starts when the water level drops below E2
Note: 1.The diagram shows the connections for the water supply.
      When draining, change the connection from terminal 1 to 11.
     2.Be sure to ground terminal E3.