



# ANLY FLOATLESS RELAY

## AFS / AFR / A61F-G FLOATLESS RELAY



### CHARACTERISTIC :

- Suitable for any electrolytic fluid surface (NO VOLATILE FLUID)
- AC operating voltage
- Protection against interference from power surge
- Low electrodes AC voltage to prevent electrolysis for longer life expectancy
- 2 LED status indicator for water supply or drainage
- Automatic water supply or drainage operation and alarm for anomaly water supply\*

Note: "\*" indicates applicable to A61F-G2 series only

### TYPE SELECTION :

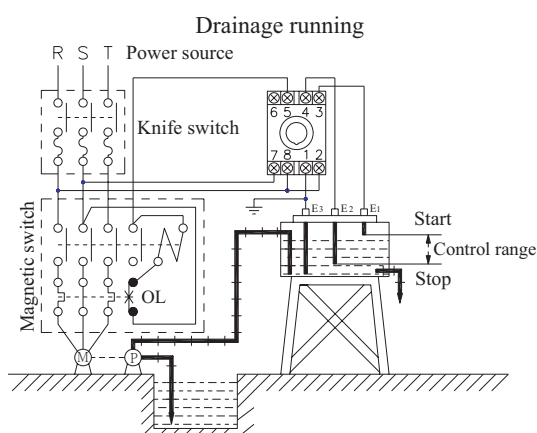
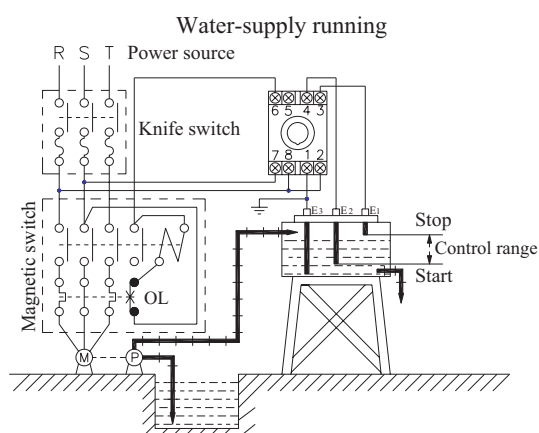
| Sensing mode   | Type   |        |       |           |         |          |          |
|----------------|--------|--------|-------|-----------|---------|----------|----------|
| General        | AFS-1  | AFR-1  | AFR-G | A61F-GP-N | A61F-G  | A61F-G1  | A61F-G2  |
| High sensing   | AFS-1Y | AFR-1Y | ----  | ----      | A61F-GY | A61F-G1Y | A61F-G2Y |
| Long distance  | AFS-1L | AFR-1L | ----  | ----      | A61F-GL | A61F-G1L | A61F-G2L |
| Low density    | AFS-1D | AFR-1D | ----  | ----      | A61F-GD | A61F-G1D | A61F-G2D |
| Two lines      | AFS-GR | ----   | ----  | ----      | ----    | ----     | ----     |
| Number of pins | 8P     | 8P     | 8P    | 11P       | 9P      | 13P      | 13P      |

## SPECIFICATION :

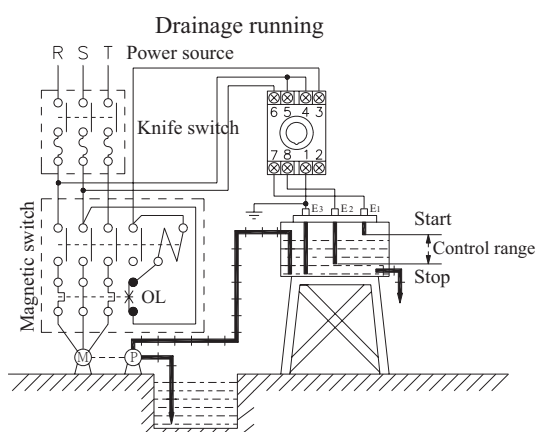
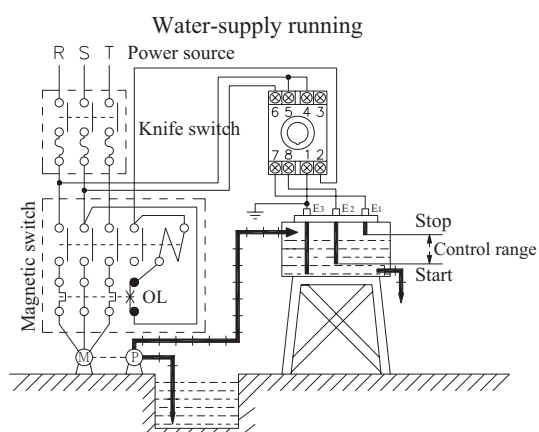
| Type                              | AFS / AFR / A61F-GP-N                                                  | A61F-G / A61F-G1 / A61F-G2                           |
|-----------------------------------|------------------------------------------------------------------------|------------------------------------------------------|
| Operating voltage                 | AC(V): 110, 220, 240                                                   | AC(V): 110/220, 110/240, 220/380, 240/380            |
| Allowable operating voltage range | 85~110% of rated operating voltage                                     |                                                      |
| Rated frequency                   | 50 / 60 Hz                                                             |                                                      |
| Contact rating                    | 250VAC 5A (resistive load)                                             |                                                      |
| Second voltage                    | 8VAC(except High sensing 24VAC )                                       |                                                      |
| Operate resistance                | 0 ~ 4K $\Omega$                                                        |                                                      |
| Release resistance                | 15K ~ $\infty \Omega$                                                  |                                                      |
| Length of cable                   | MAX 1Km                                                                |                                                      |
| Power consumption                 | AFS, AFR, A61F-GP-N and A61F-G Approx. 3.2VA , A61F-G1 Approx. 6VA     |                                                      |
| Life                              | Mechanical: 5,000,000 times, Electrical:100,000 times                  |                                                      |
| Ambient temperature               | -10 ~ +50°C                                                            |                                                      |
| Ambient humidity                  | MAX 85%RH                                                              |                                                      |
| Weight                            | AFS-1, A61F-GP-N Approx. 160g<br>AFS-GR Approx. 150g, AFR Approx. 200g | A61F-G Approx. 330g<br>A61F-G1, A61F-G2 Approx. 580g |

## CONNECTION :

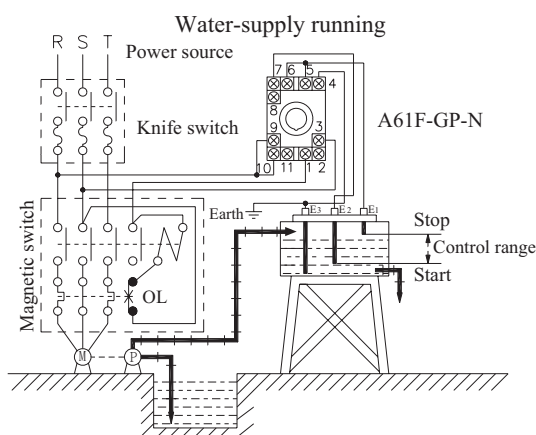
### AFR-1,AFS-1



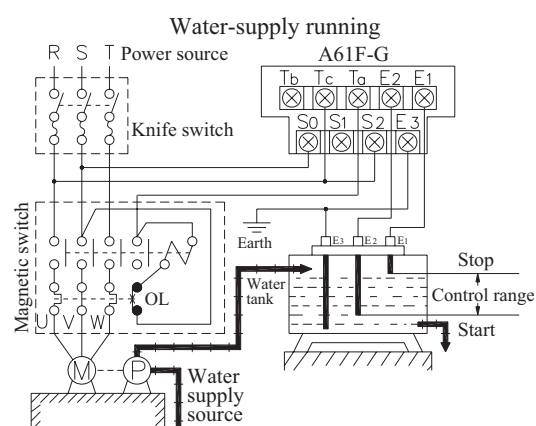
### AFR-G,AFS-GR



A61F-GP-N

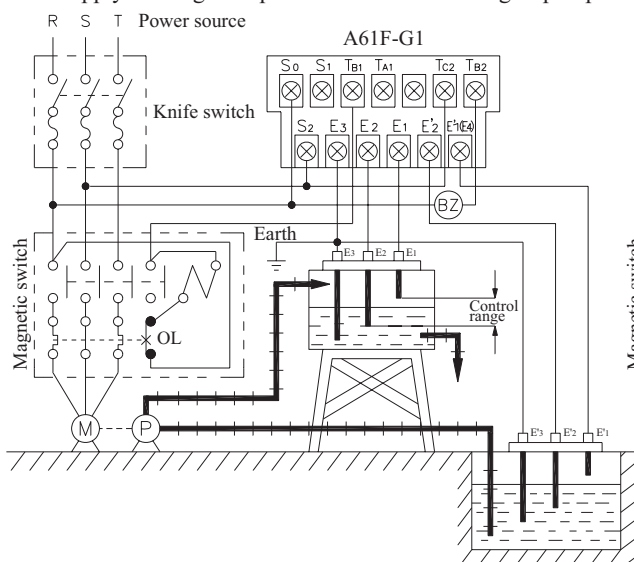


A61F-G

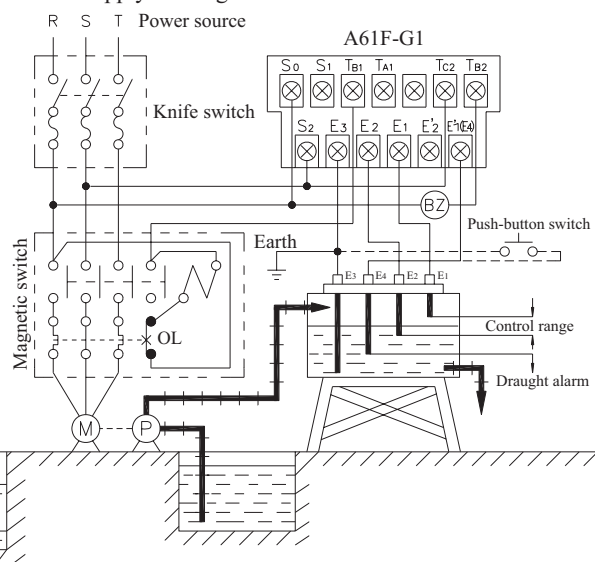


A61F-G1

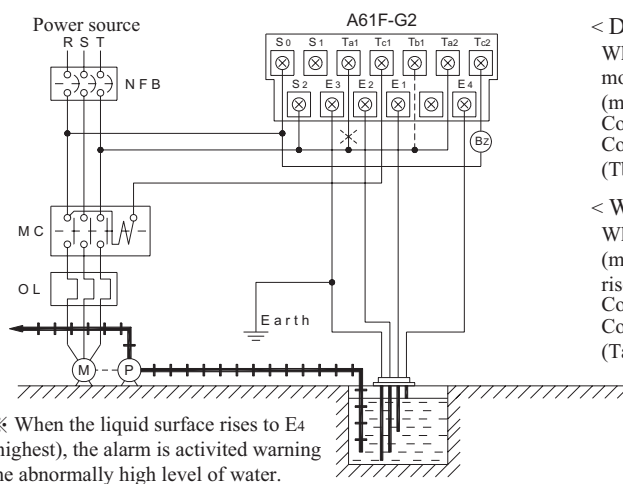
Water-supply running with prevention of idle running of pump.



Water-supply running with alarm for abnormal dearth water.



A61F-G2



#### < DRAINAGE >

When the liquid level in the tank exceeds E1(high), the motor will be turned on. When the level drops to E2 (medium) it will be turned off.

Connection :  
Connect the Ta1 to power source as the diagram show.  
(Tb1 unconnect )

#### < WATER-SUPPLY >

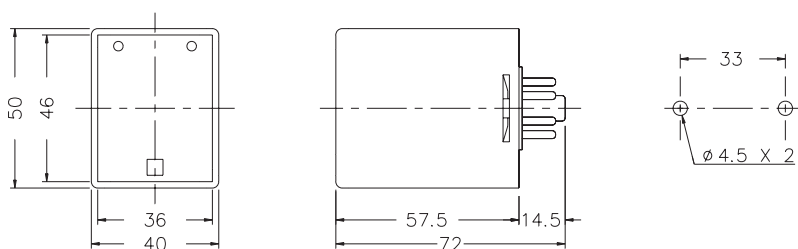
When liquid in the tank is dropped to the level below E2 (medium), the motor will be turned on. When the level rises to E1 (high) it will be turned off.

Connection :  
Connect the Tb1 to power source as the diagram show.  
(Ta1 unconnect )

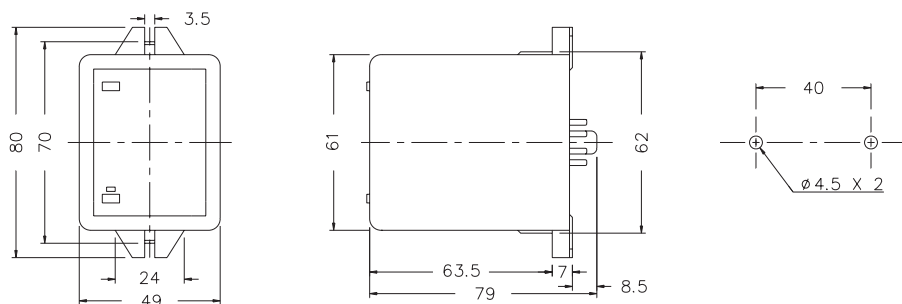
NOTE:1. With the power supply voltage AC 110V, the wiring is made between S0-S1 and S0-S2 for AC 220V.  
2. Be sure to ground terminal E3.

## DIMENSIONS : (mm)

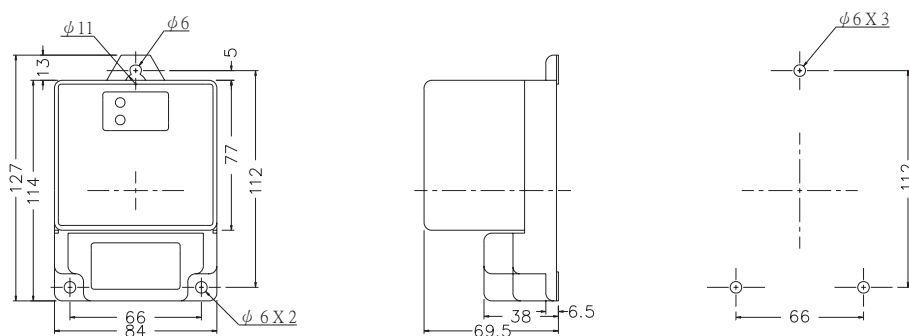
AFS series: Using PF085A Socket & FH-3, A61F-GP-N series: Using PF113A Socket



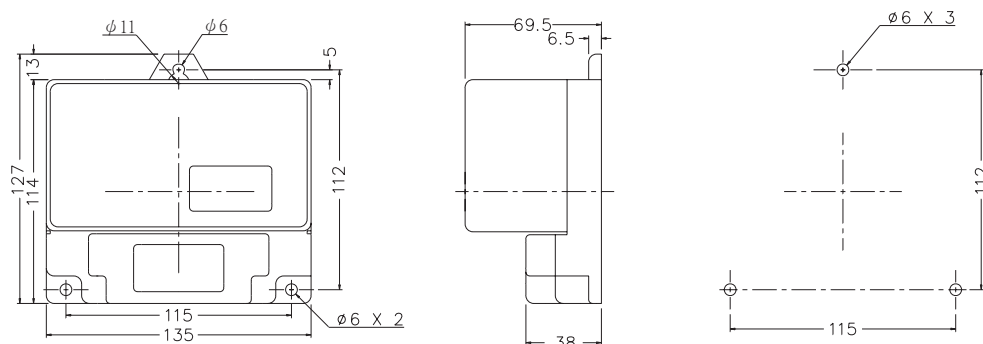
AFR series: Using 8PFA Socket



A61F-G series



A61F-G1 series



**ONLY ELECTRONICS CO., LTD.**

<http://www.ONLY.com.tw>

**TAIWAN MAIN OFFICE : ONLY ELECTRONICS CO., LTD.**

No.19, Lane 202, Fushou St., Xinzhuang Dist., New Taipei City 242, Taiwan  
TEL: +886-2-2996-3202 FAX: +886-2-2996-2017

**MALAYSIA BRANCH : JUSTY ELECTRONICS (M) SDN, BHD.**

No.1, Jalan 6/89B, Kawasan Perindustrian Trisegi, Batu 3 1/2 Off Jalan Sungei Besi, 57100 Kuala Lumpur, Malaysia  
TEL: +60-3-7983-5758 FAX: +60-3-7981-5052

**HONG KONG BRANCH : ONLY ELECTRONICS (HK) LTD.**

Flat K, 13/F, Edward Mansion, 141 Prince Edward Road W., Kowloon, Hong Kong  
TEL: +852-2397-2505 FAX: +852-2397-6080

**SHANGHAI BRANCH : ONLY TECHNOLOGY (WUXI) CO., LTD.**

Room 13G, No.831, Xinzha Rd., Jingan District, Shanghai, China 200041  
TEL: +86-21-6218-3300 FAX: +86-21-6217-5911