

# **PART 3**

## WATER LEVEL CONTROLLER



KFS Series

KFS ES3

# WATER LEVEL CONTROLLER

## KFS SERIES

### Where to use

- Water level control in Factory
- Water supply for Agriculture
- Water purification factory

### Where to use

- For 8 pin socket: KFS - PC8, KFS - PC8S
- For 11 pin socket: KFS - PC11, KFS - PC11S
- For Electrode Fixing Coupler: KFS - ES3



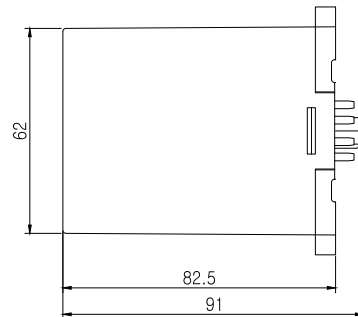
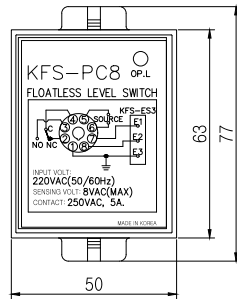
### Specification

Model	KFS-PC8(S)	KFS-PC11(S)
Compatible Socket	KH-RS-R8	KH-RS-R11
Voltage	100~110VAC, 200~220VAC(50/60Hz)	
Power Consumption	3.2VA	
Voltage between electrodes	AC 8V	
Operation resistance	Max. 4k $\Omega$	
Return resistance	min. 15k $\Omega$	
Response Time	When operate: 80ms when return: 160ms	
Ratings	220VAC 2.5A(resistive load) 220VAC 0.5A(inductive load)	
Durability	Mechanical: 5,000,000 operations Electrical: 200,000 operations	
Insulation resistance	100M $\Omega$ (500VDC)	
Dielectric strength	1,000VAC 50/60Hz for 1 minute	
Ambient temperature	- 10~+50	
Vibration resistance	10~55Hz at double amplitude: 0.5mm(X,Y,Z directions) for 1 hour	
Shock resistance	30G	
Ambient humidity	35~85% RH	
Protection	IP50(indoor use only)	
Material	ABS	
Weight	KFS - PC8, - PC11(230g), KFS - PC8S, - PC11S(180g)	

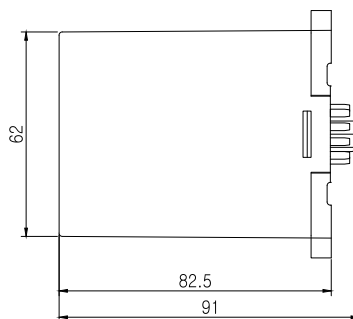
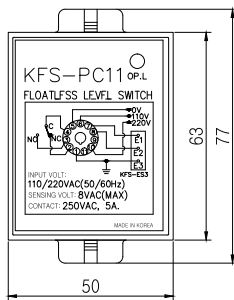
# WATER LEVEL CONTROLLER

## Dimension

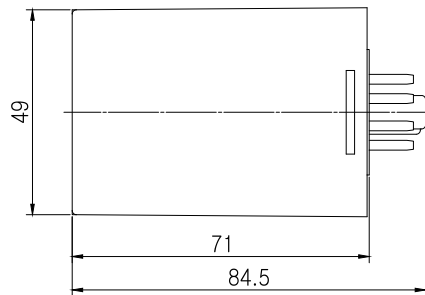
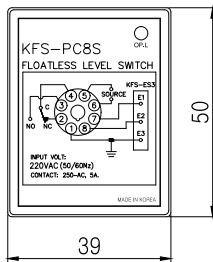
KFS-PC8(8Pin)



KFS-PC11(11Pin)



KFS-PC8S



KFS-PC11S

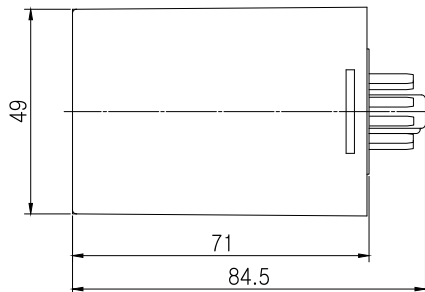
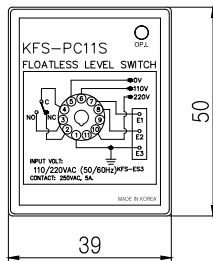


PHOTO SENSOR

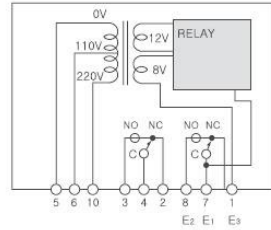
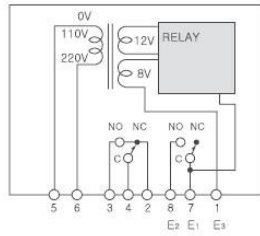
PROXIMITY SENSOR

WATER LEVEL CONTROLLER

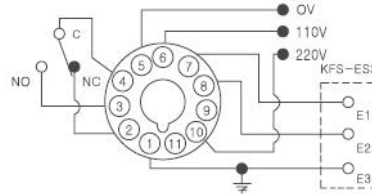
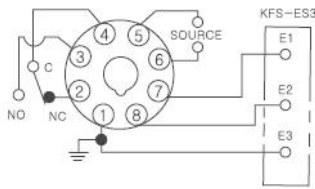
PID TEMP. CONTROLLER

# WATER LEVEL CONTROLLER

## Circuit Diagram



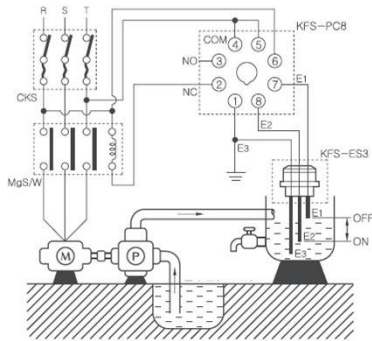
## Wiring Diagram



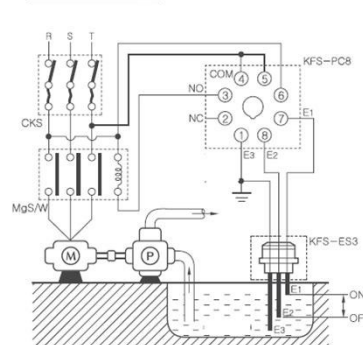
## Operation Diagram

KFS-PC11S

### Water Supply

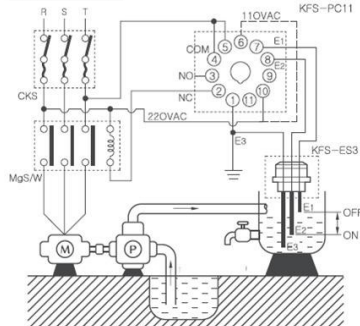


### Water Drainage

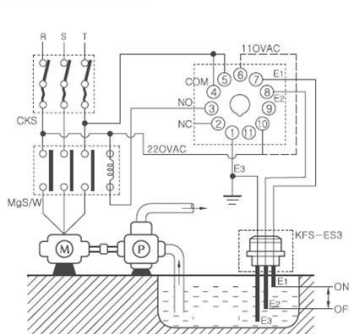


KFS-PC11, -PC11S

### Water Supply



### Water Drainage



# WATER LEVEL CONTROLLER

## KFS-ES3

Material

Body: PBT

Electrode: Nickel-plated brass

Please use copper rod or brass rod (3-M6P1,  $\varnothing 6.0$ ) for electrode

IP53

Cannot be used in oil

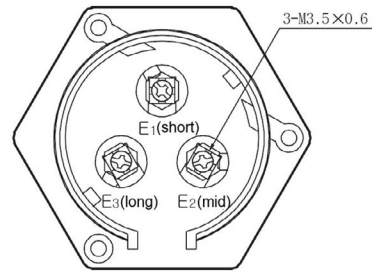


PHOTO SENSOR

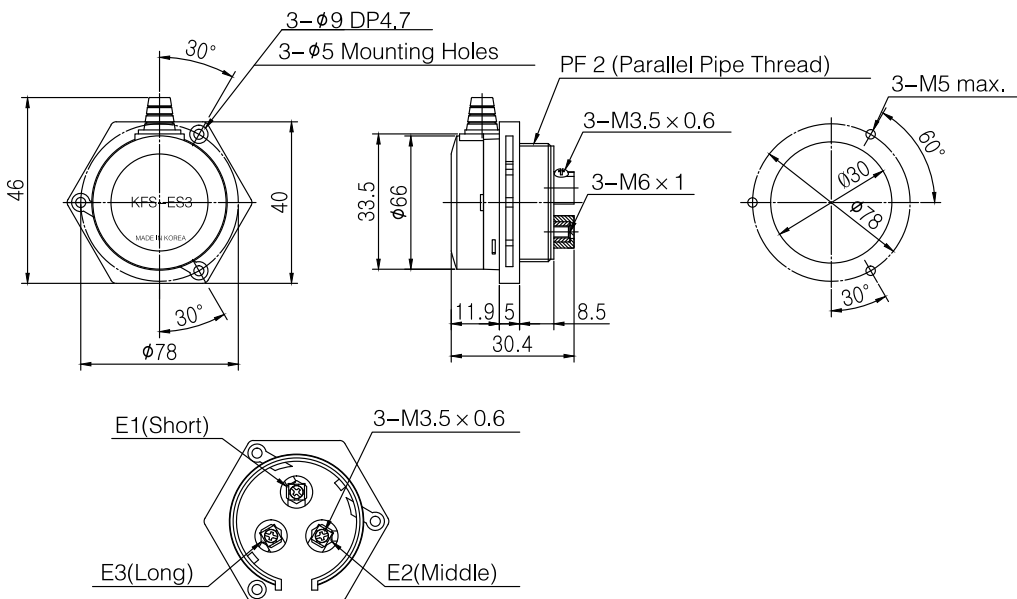
PROXIMITY SENSOR

WATER LEVEL CONTROLLER

PID TEMP. CONTROLLER

### Dimension

#### KFS-ES3



**KOINOX**