



Level Control YJ

Features 1. Digital type 2. Water level control

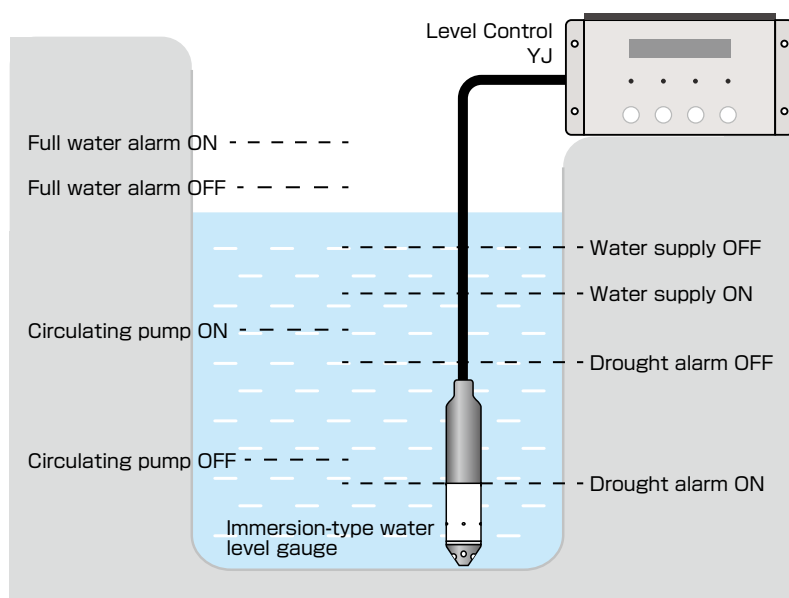
- Controls the water level for a bath or tank when used with an immersion-type water level meter or water pressure sensor.
- Comparative output for 4 independent points (mechanical or semiconductor type); it is possible to set an ON/OFF value for each contact point.
- The comparative output value can be set both manually and automatically.
- Easy operation with a backlit LCD
- Display function for - 9.999 m to + 9.999 m
- The output status can be checked on the LED.
- The offset and scaling of the water level can be set arbitrarily in the field.



Controller specifications

Model	YJ-CB01_B-4	
	(P)	(R)
	PhotoMOS type (standard)	Mechanical relay type (option)
Output	PhotoMOS output= DC60V (AC 20V effective value) I = 300mA PhotoMOS ON resistance = 10 Ω or less	30 VDC 5 A (resistance load) 250 VAC 5 A (resistance load) ※ Connect a contact protection element when using this type.
Setting range	0 to 9.999m	
Number of outputs	ON/OFF contact output setting for each of the 4 points	
Output polarity	This can be set for each NO/NC output.	
Current consumption	150mA or less	200mA or less
Power voltage	DC24V ± 10%	
Operating temperature range	0 to 50°C	
Operating ambient humidity	35 to 85% (no dew condensation allowed)	
Storage temperature	- 10 to 60°C	
Sensor input	DC4-20mA	
Water depth measurement range	2m (standard) ※ This can be changed using an option.	
Display part	16-digit 2-row backlit LCD water level display / setting display	
Display range	± 9.999m	
Operation display	4 red LED lamps; light when output is ON.	
A/D conversion method	14-bit successive approximation type	
Setting value memory	To be stored in EEPROM for approx. 10 years	
Scaling setting	Digital arithmetic operations based on offset and span settings	
Connection terminal	Terminal block for M3 screws	
Material	Main unit casing: Aluminum Terminal block cover: Acrylic	
External dimension	165 × 110 × 32.7mm (excluding protrusions)	Mounting hole φ 3.5 × 4
Weight	Approx. 385g	

Output operation example



Applicable sensor examples

Immersion-type Water Level Sensors 4-20mA Output type	
HM-300 seriesSee page 61.
HM-700 series (Titanium)See page 64.
HM-920 series (Low cost)See page 65.
Pressure Sensors 4-20mA Output type (20kPa)	
JW-7200 series (Waterproof Connector-type)See page 48.
MTI series (Terminal Box-type)See page 27.
CTI series (Connector-type)See page 23.
ZTI series (Titanium)See page 20.
YJI series (Bathtub mounting type) Contact us.

Model

YJ-CB01_B-4 (P)

Output
P : PhotoMOS type (standard)
R : Mechanical relay type