SIEMENS

Operating Instructions

Water Level Controller Relay





Please read and understand these instructions before installing, operating, or maintaining the equipment.



DANGER

Hazardous voltage can cause death or serious injury. Disconnect power before working on equipment.



CAUTION

Reliable functioning of the equipment is only ensured with certified components.



Overvoltage category II (Refer IEC 60947-1)

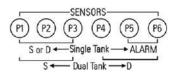
NOTICE

This product has been designed for environment A. Use of this product in environment B may cause unwanted electromagnetic disturbances in which case the user may require to take adequate mitigation measures.

Technical Data

Designation	7UG0885-1JU20			
Туре	Water Level Controller relay			
Control voltage (Uc)	110 - 240V AC/DC			
Tolerance on Control supply	0.85x Uc 1.1x Uc			
Frequency	50/60Hz			
Operating temperature	0 to 50°C, 95%RH (non-condensing)			
Operation / Modes	Single tank operation (Delivery or Suction mode) Dual tank operation (Delivery & Suction mode)			
Trip Time delay	2 sec (±0.5s)			
Max. Power consumption	3.2 VA			

Terminal connections



S: Suction mode
D: Delivery mode
P1: Ref. 1
P4: Ref. 2



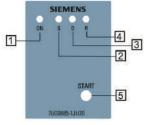
Note: Use Sensor type 7UG0985-0YY00 along with this product.

	7UG0885- 1JU20				
	0.5 Nm				
Solid	1 x (0.75 to 2.5) mm ² 2 x 0.5 to 2 x 1.5 mm ²				
Stranded with end sleeve	1 x (0.5 to 2.5) mm ² 2 x (0.5 to 1.5) mm ²				

Product Features:

- 1. Single / Dual tank operation, Suction / Delivery modes.
- 2. Programmable setting of operation & mode thereby no need to change sensor connections.
- 3. Pump protection from Dry run and Overflow condition.
- 4. Provision for Manual Start.
- 5. Auto liquid sensitivity detection (upto 500k ohms)
- 6. Water level indication.
- 7. Alarm function: Alarm relay o/p in Single tank operation (using additional sensors at Lowest & Highest level of liquid)

Front panel functions



	Fι	Functions		
	1	Power ON Indication (Red)		
	Suction mode Indication (Yellow)			
	3	Delivery mode Indication (Yellow)		
	4	Relay status Indication (Red)		
	5	Key for configuration & Manual Start		

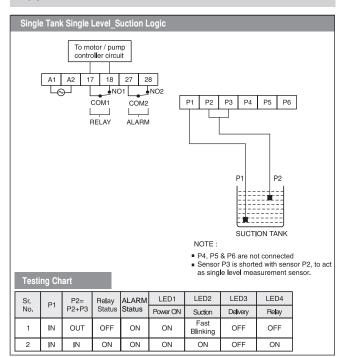
CONFIGURATION SETTING

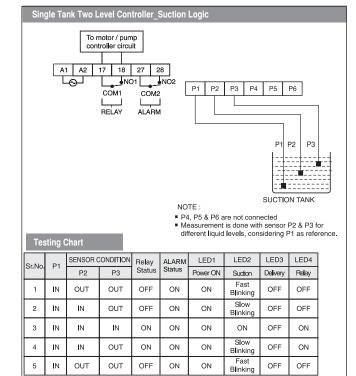
To enter Configuration mode, all the sensors should be disconnected i.e. out of water. Either of the three modes i.e. Single tank (Suction), Single tank (Delivery) & Dual tank (Suction & Delivery) can be selected. Default mode is Dual tank operation.

D	START Key	LED Indication				Waiting		
Programming		ON	s	D	R	duration		
Enter Configuration	Press for 5 sec	ON	Blink	Blink	Blink	3 sec		
Mode selection	Press key to switch between modes							
	1. Dual tank (S&D)	ON	ON	ON	OFF	10 sec		
	2. Single tank (S)	ON	ON	OFF	OFF			
	3. Single tank (D)	ON	OFF	ON	OFF			
Exit Configuration	_	ON	Blink	Blink	Blink	3 sec		

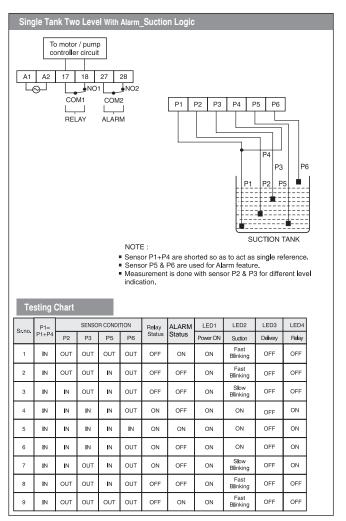
After 10 sec, unit will auto exit programming mode with last set operation mode.

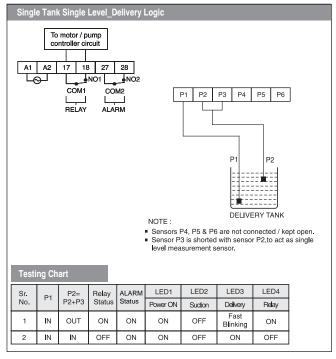
Applications

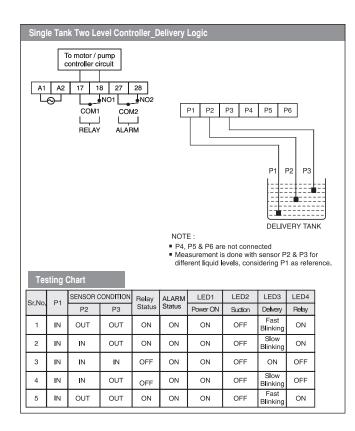


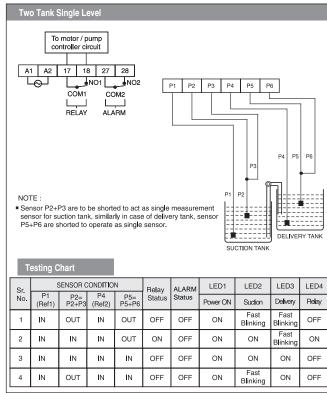


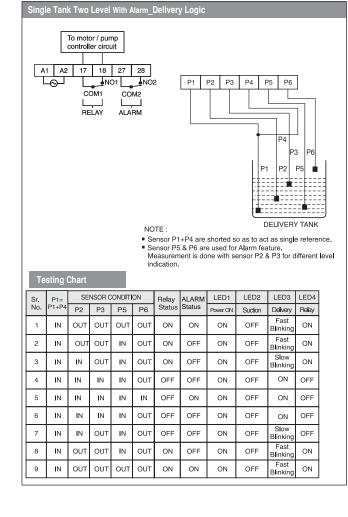
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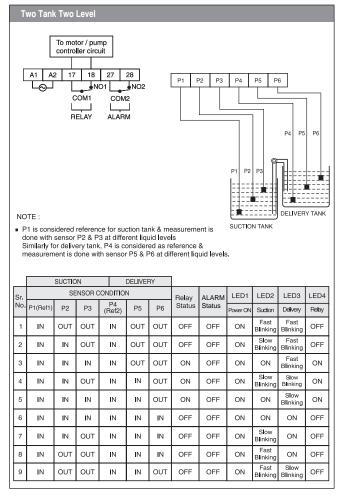






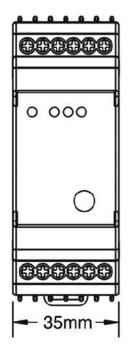


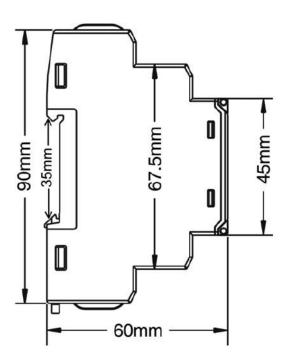




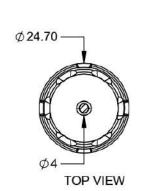
Dimensional drawings

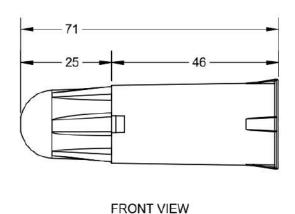
7UG0885-1JU20

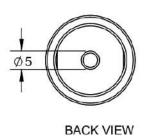




7UG0985-0YY00







Disposal

Siemens product are environment friendly, which predominantly consist of recyclable materials.

For disposals we recommend disassembling and separation into following materials:

METALS: Segregate into Ferrous & Non Ferrous types for recycling through authorised dealer.

PLASTICS: Segregate as per material type for recycling through authorised dealer. Because of the long lifetime of Siemens products the disposal guidelines may be replaced by other national regulations when taking the product out of service.

The local customer care service is available at any time to answer disposal-related questions

Customer Care Toll free no. 1800 209 0987

Email: ics.india@siemens.com

Order No. A5E43375383A/AB