

# 3P TCS5JB Series Controller

## Tank Level Controller - For Mains Water Tank Filling & Top-up

- **Easy to install and maintain**
- **No user intervention required**
- **Fast efficient operation**
- **Minimal space needed for installation**

Control of water supply through a high flow solenoid valve to maintain the level of water in a tank.

The 3P TCS5JB Top-up Switch is intended to maintain the level of water in a water tank by topping up the tank when the level becomes low, with a measured amount of mains water.

Water level in the tank is sensed via a float switch, mains water is added via a solenoid valve feeding back to the rainwater tank.

The solenoid will be activated when the float switch hangs down at approximately 45° or more, the top-up cycle will then continue until the float switch reaches an upward angle of approximately 45°, ensuring a measured quantity of water is introduced to the tank.

1/2" and 3/4" versions are supplied with a tundish and mounting bracket meeting the requirements of BS EN 13076, versions 1" and above require an air gap to be formed to provided during installation.

### Supplied Components

Float-switch with weight, 2m, 15m or 20m cable, and connector.

TCS5JB Control Box

Solenoid valve with 2 metre cable.

Tundish and bracket with elbow, back-nut and double nipple (1/2" and 3/4" versions).

1.8 metre power cable with moulded plug.



Optional pump isolation during top-up is available. All TCS5JB Controllers are designed to work in conjunction with an automatic pump.

The new low voltage options, the TCS5JBL and LA are suitable for irrigation applications .

### Features

- Control of mains water through a high flow solenoid valve.
- Type A-A air gap meets UK and EU water regulations, with a unique integrated tundish overflow (1/2" and 3/4" versions).
- Float switch of 2m, 15m and 20m.
- Pump Isolation available.
- Low voltage 24v options available.
- Designed for wall mounting.
- Available with optional pump isolation for dry run protection, in the event water demand is likely to exceed mains water top-up rate.
- Designed for use with automatic pumps.
- Supplied with electrical connectors for ease of installation.
- 2 metre version can be used for header tank systems.
- Ingress protection IP65 (main unit), IP54 or IP67 (solenoid).

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CODE	FLOAT SWITCH	VOLTAGE	SOLENOID	IP RATING			
TCS5JB1	15m	~1 230	1/2"	IP54			
TCS5JB1A			3/4"				
TCS5JB1B			1"				
TCS5JB1C			1.25"				
TCS5JB2	20m		1/2"		IP67		
TCS5JB2A			3/4"				
TCS5JB2B			1"				
TCS5JB2C			1.25"				
TCS5JB3	2m		1/2"			IP67	
TCS5JB3A			3/4"				
TCS5JB3B			1"				
TCS5JB3E			2"				
TCS5JB4	5m		1/2"	IP67			
TCS5JB4B			1"				
TCS5JB3IP67	2m		1/2"				IP67
TCS5JB4IP67	5m						
TCS5JB3AIP67	2m						
TCS5JB4AIP67	5m						
TCS5JBL	Supplied Separately	24Vdc	Solenoid Valve Supplied Separately				
TCS5JBLA							

## Specifications

Control Unit	
Dimensions	130 x 94 x 57mm (excluding cable entries)
Supply Voltage	230-240VAC
Power Consumption	0w
Supply Cable	2m
Output	10A Max @ Supply Voltage
Ingress Protection	IP66
Electrical Protection	Class 2
Material	Polystyrene
Solenoid	
Supply Voltage	230-240VAC
Power Consumption	5.5VA to 20VA
Supply Cable	2m
Medium	Clean Water
Function	Normally Closed (NC)
Max Pressure	12 bar
Ingress Protection	IP54 or above
Material (Valve Body)	Brass
Material (Diaphragm)	EPDM

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