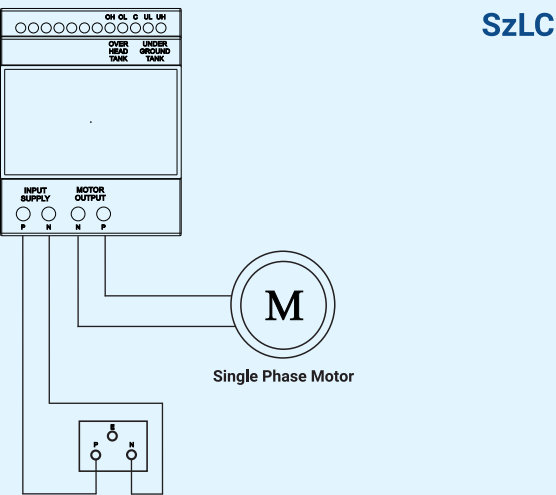
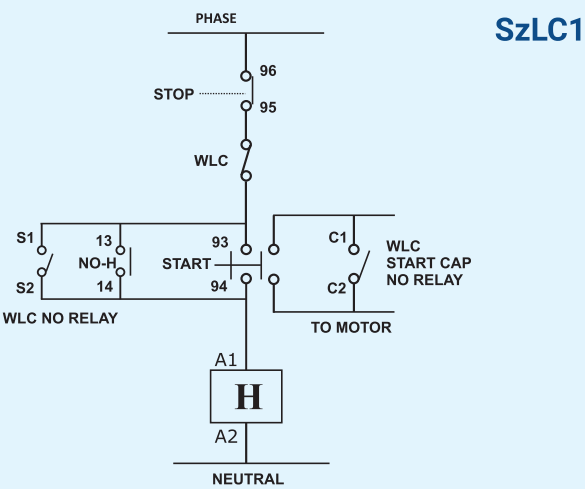


For Single Phase motor
XM810600000 & XM810660000

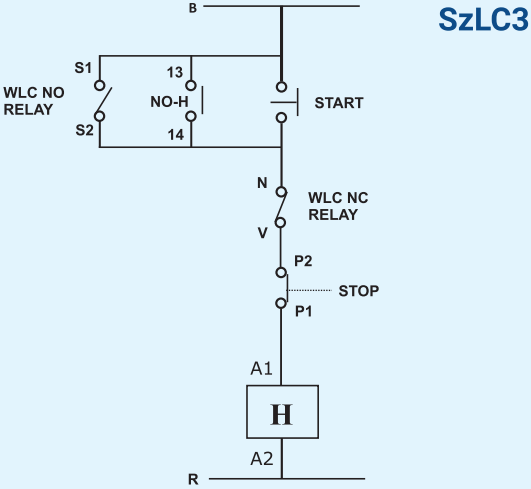


For Single Phase submersible starter
XM810620000 & XM810670000



Note :
1. For C1 & C2 connection use wire size as per motor current rating.
2. Do not interchange C1-C2 and S1-S2 connection during wiring, as it can damage S1-S2 WLC.

For Three Phase starter
XM810650000 & XM810680000



Product improvement is a continuous process. For the latest information and special applications, please contact any of our offices listed here.



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New WLC: SzLC Series SIMPLIFYING WATER CONTROL CHALLENGES



*Under license from Larsen & Toubro Limited. I #Trademark of Schneider Electric Denmark A/S.



Water Level Controller (WLC)

The Water Level Controller (WLC) is designed to monitor and manage water levels in tanks. It checks the water level and automatically operates the pump based on Pump ON or OFF based on your chosen mode of operation, which can include:

- **Filling and Draining**
- **Filling Only** (with dual level monitoring)
- **Draining Only** (with dual level monitoring)

Using external sensing probes, the WLC effectively turns ON and OFF pump, solenoids, or valves to maintain desired water levels. Additionally, it protects your equipment by preventing dry running when the lower tank is empty and avoiding overflow when the upper tank is full.

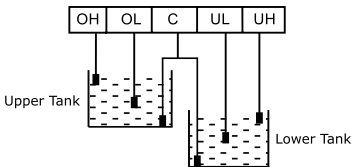
With the Water Level Controller (WLC), you can ensure efficient water management with ease!



Device Controlling Mode

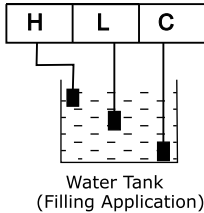
Draining from lower tank and filling in upper tank.

When lower tank is empty (water level is below UL) or partially filled (water level is below UH) or upper tank is filled completely (water level is above OH) at power ON then WLC in OFF condition. If lower tank is completely filled (water level is above UH) with water and upper tank is empty (water level is below OL) or partially filled (water level is below OH) at power ON then WLC. The WLC turns OFF when upper tank is completely filled or lower tank becomes empty. The WLC turned ON by pressing the Start switch in auto mode when lower tank is partially filled and upper tank is partially filled or empty. The WLC will be in OFF condition to avoid the dry running condition of the motor when the lower tank is empty and to avoid overflow when the upper tank is completely filled. This mode requires 6 sensor probes, connected at each terminals UL, UH, OL, OH and two at common terminal through wires.



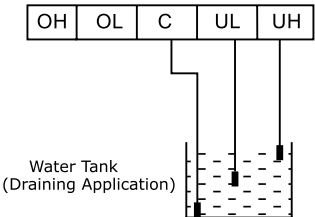
Filling only one tank with 2 levels monitoring.

When the tank is empty (the water level is below the L probe), the WLC ON and the WLC turns OFF when the tank is completely filled with water (the water level reaches to H probe). This mode requires 3 sensor probes which are connected at L, H and common terminals through wires. For this application, water must be always available from where it is being drained.



Draining only one tank with 2 levels monitoring.

When the tank is completely filled with water (the water level is above the UH probe), the WLC. When the tank is empty (water level drops below the UL probe), WLC turns OFF. In this mode, OL & OH terminals are kept open. This mode requires 3 sensor probes which are connected at UL, UH & common terminals through wires.



New series of WLC – SzLC range. There will be 3 variants

SzLC	Monoblock & Self Priming Pump	Single & Double Tank Application (0.5 HP to 3 HP)
SzLC1	Single Phase Submersible Pump	Single & Double Tank Application (0.5 HP to 3 HP)
SzLC3	Three Phase Submersible	Single & Double Tank

Features

- Settable power ON delay and OFF timer.
- Multiple operating modes like AUTO/ON/OFF (For SzLC)
- Multiple operating modes like AUTO/MANUAL/BYPASS (For SzLC1 & SzLC3)
- Protections against dry run and overfilling, which means trip against tank emptying and over filling through probe sensing only.
- CE & RoHS Certified.
- 4M Enclosure with Din rail/base easy mounting.

Operating Modes

AUTO MODE: In Auto mode, the motor is automatically turned ON and OFF as per input from level sensors.

ON MODE (SzLC): In ON mode, motor can be turned on manually if there is water in underground tank and overhead tank is not full.

When motor is turned ON manually in ON mode, it will be automatically turn OFF when OFF timer is completed or overhead tank is filled or underground tank is got empty.

To make motor ON manually for next time, operate the Mode Switch from OFF mode to ON mode again.

OFF MODE (SzLC): In OFF mode, the pump will be turned OFF permanently irrespective of level sensor inputs.

Note – In OFF mode Motor LED will be OFF unconditionally

MANUAL MODE (SzLC1 & SzLC3): The motor can be turned ON/OFF using the Start and Stop buttons on the panel when the water level is below OH level in overhead tank and above UL level in underground tank in Manual mode, Overfilling and Dry-run protection is available.

BYPASS MODE (SzLC1 & SzLC3): It is recommended to use Bypass Mode only if the product is in a non-operating condition. In this mode, there will be no protection against dry run and overfilling. In Bypass mode, the motor can be turned ON and OFF using the Start and Stop switch on the panel.

OFF Timer: OFF Timer is applicable in Manual mode only. In Manual mode, when the motor is turned ON manually the motor will be turned OFF after completion of the OFF timer. The OFF timer is settable & it can be kept OFF if the OFF timer pot set to a minimum position. In case if upper tank fills or the Lower tank is empty during the OFF timer in progress, the motor will be turned OFF and the OFF timer will be discarded for that event.

Series Name

Sr. Name	Product Details	Tank Application	Cat-ID
SzLC	Monoblock Double Tank	Double	XM810600000
SzLC1	1ph Submersible D Tank	Double	XM810620000
SzLC3	3ph Double Tank	Double	XM810650000
SzLC	Monoblock Single Tank	Single	XM810660000
SzLC1	Submersible Single Tank	Single	XM810670000
SzLC3	3ph Single Tank	Single	XM810680000



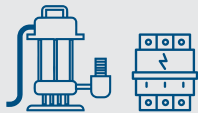
Settable OFF-timer ranging from 15-150 minutes



Power ON Delay Timer- 3-30 seconds



Application - Single & Double Tank



Use for Single Phase Monoset and Submersible Pump upto 3 HP and for Three Phase Submersible Pump



Auto/Manual/ Bypass operating mode available*



LED Indication

*AUTO/ON/OFF - SzLC
AUTO/MANUAL/BYPASS - SzLC1 & SzLC3