

Product information- SWAP series



Want to automate your Submersible pump for overhead tank with dry run protection? Check out the SWAP04-C-OLF (Level & flow controller)! Learn about it on pages 3-6

SWAP

Auto OFF Timers



Cyclic Timers



Automatic level controller & flow detector



SWAP To Save water and power...



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Auto-OFF Timers Product codes

1. SWAP01
2. SWAP01E
3. SWAP02
4. SWAP02E

Cyclic Timers

Product codes

1. SWAP03C
2. SWAP03AC
3. SWAP03ACF
4. SWAP03ACF-SA

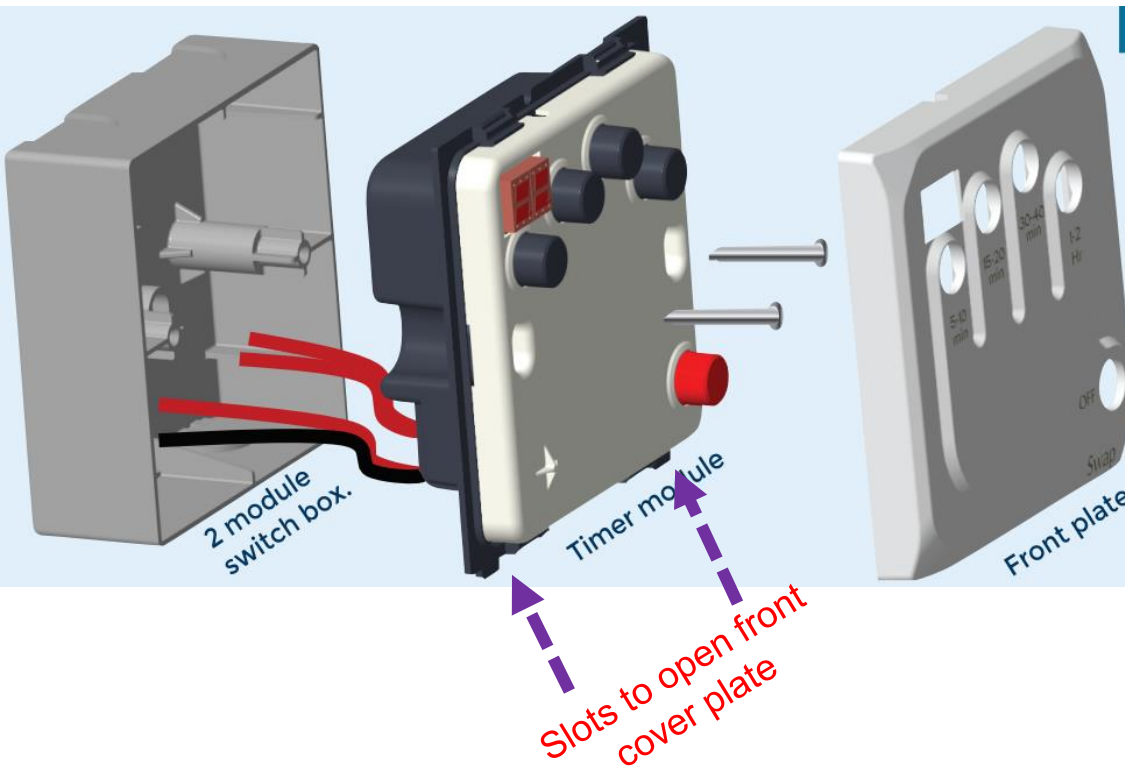
Automatic level & flow controllers

Product codes

1. SWAP04-OL
2. SWAP04-OLF
3. SWAP04-C-OL
4. **SWAP04-C-OLF**
5. SWAP04-SOL
6. SWAP04-C-SOL
7. SWAP04-C-SOFL
8. SWAP04-SMFL
9. SWAP04-OF

SWAP *Save water and power...*

Product with 2 Module/1 Gang-Surface mount box installation



Step 1

Fix the 2 module box on wall & finish the wiring with **SWAP** terminals(Refer upcoming slides)

Step 2

Remove the front cover from the product using the slots provided and fix the product onto the 2 module box, using screws.

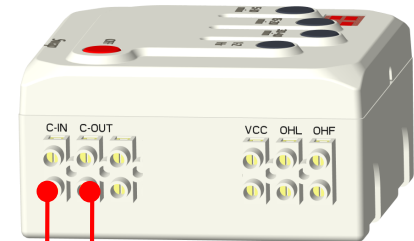
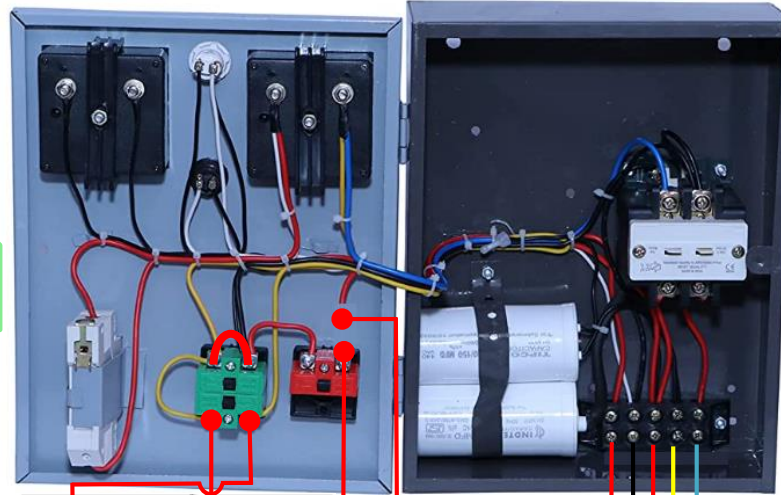
Step 3

Fit the removed front cover plate, back onto the product.

Connection details of SWAP04-C-OLF(Overhead tank water level controller with dry run protection and Auto start capacitor option) for Single Phase Submersible Motor



Single phase Starter

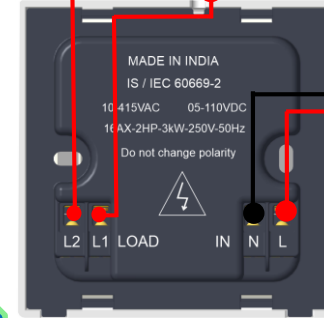


SWAP Water Level controller

Recommended wire cross section

Connection Terminals	0.5 - 5 hp (mm ²)
L1, L2, L & N	1/1.5

Only in Auto off timer mode:
Select the required time on the Swap Auto-off Timer. To select the other time option while the current cycle is running, press the red button and select the time of your choice.

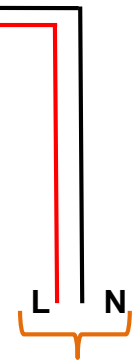


R Y B

Motor wire



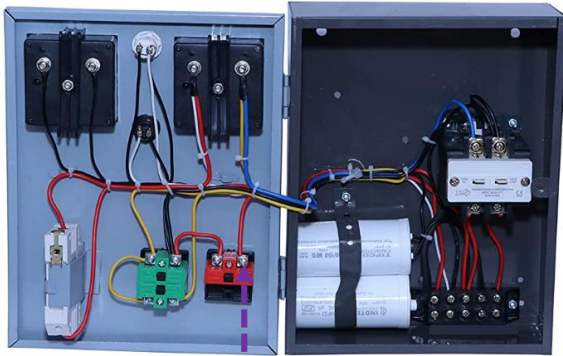
Water Pumps



Main supply

Connection details of **SWAP04-C-OLF** for single phase Submersible starter

Typical Starter appearance

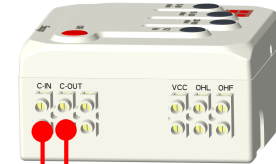
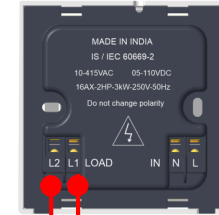
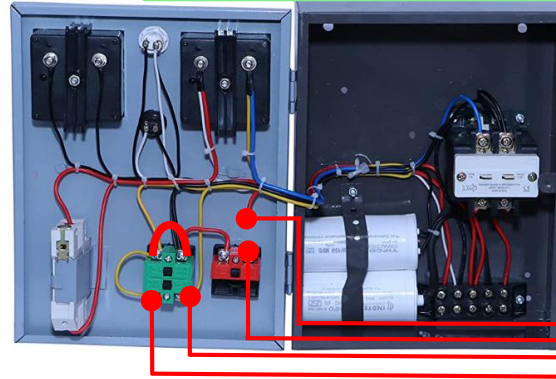


⚡
While making any wiring connection first disconnect the power.



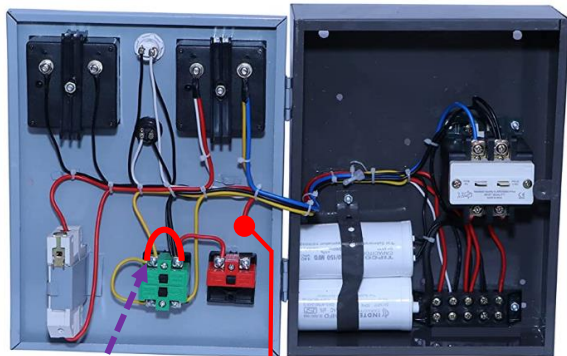
Step 2

Take a new wire and connect one end to the red-colored push button terminals and the other end to the C-out of the SWAP, as shown in the image below.

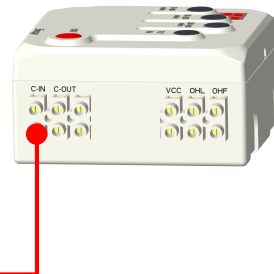


Step 1

First, remove the wire from any one terminal of the red push button, and then connect that same wire to the C-IN of the Auto-OFF Timer as shown in the image below.

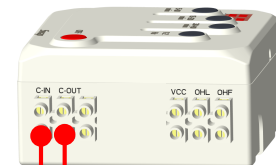
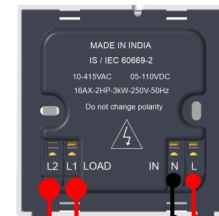
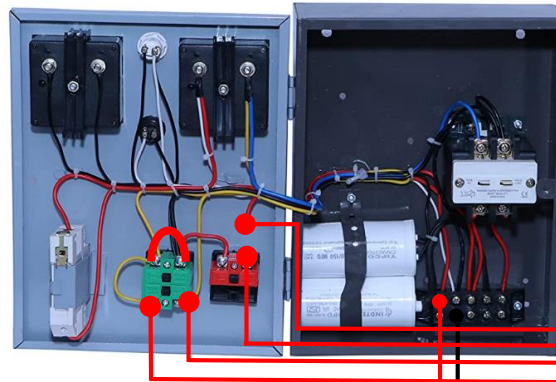


Loop this Normally open contact of no volt coil



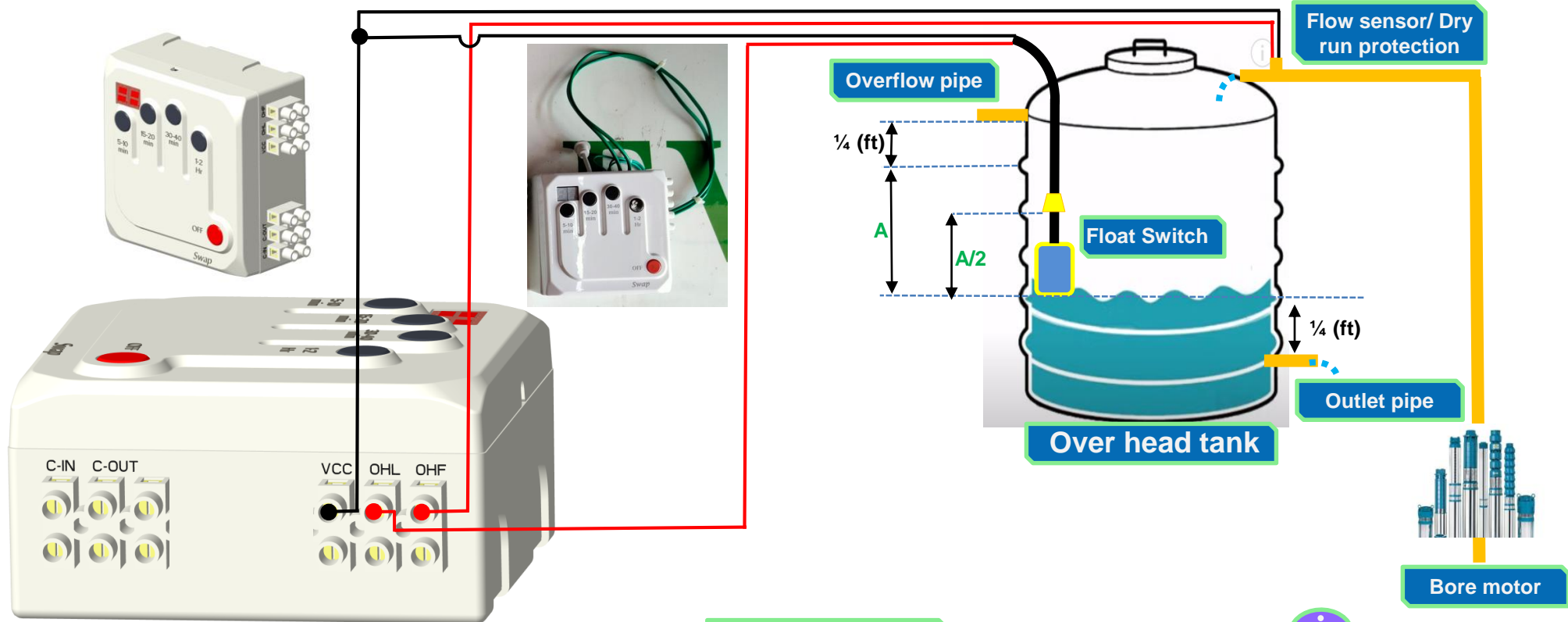
Step 3

Now, connect L1 and L2 across the starting capacitor, as shown in the image below. Then without removing the existing L&N wire of the Starter panel, loop the L&N terminal of the Auto OFF Timer to the Starter Panel.



Main supply
N
L

Product & Sensor integration details of SWAP04-C-OLF



Product features

1. Automatic water level control for overhead tank.
2. Automatic start capacitor option enabled for 3 seconds.
3. Dry Run Protection for motor.
4. Automatic off timer Automatic off timer with Auto-execution of the remaining time in case of power interruption.

Product function

Automatically switches ON the motor when the overhead tank water level is low and checks if the motor is running out of water. Switches OFF the motor within 40 seconds if it runs out of water and waits for 30 minutes before switching it ON again. Also, switches OFF the motor when the water level is high.

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Auto-off timer can be used for temporary filling up of water in the overhead tank (e.g. During scheduled power-cut).