

# Product information- SWAP series



*Want to switch on motor when corporation water starts flowing into your sump tank and to control your overhead tank level with dry run protection? Check out the SWAP04-C-SOFL(Level & flow controller)! Learn more about it on pages 3-6*

## SWAP

Auto OFF Timers



Cyclic Timers



Automatic level controller & flow detector



**SWAP** *To Save water and power...*



E-mail : [info@eviqds.com](mailto:info@eviqds.com)  
Website : [www.eviqds.com](http://www.eviqds.com)

Contact : +91 9629900110  
+91 9443410073



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

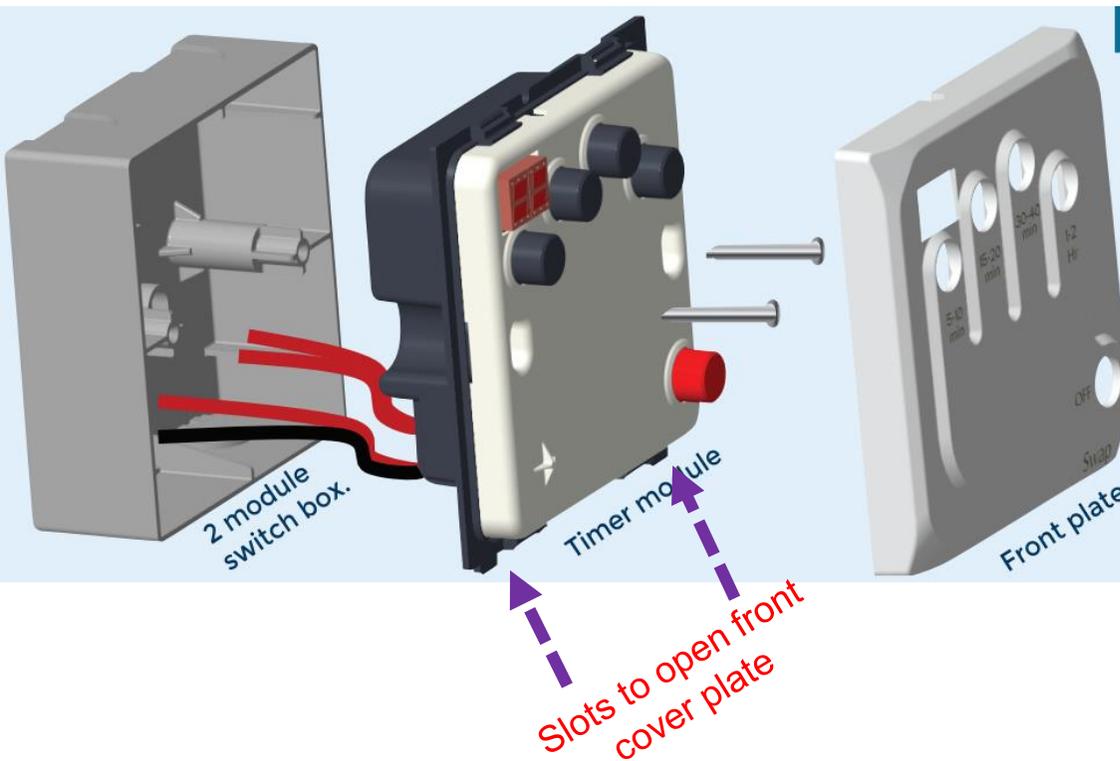
Automatic level & flow controllers

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.

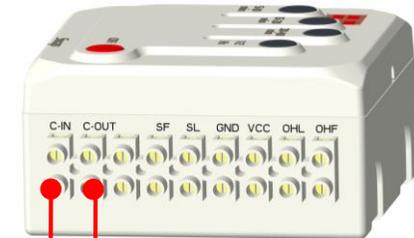
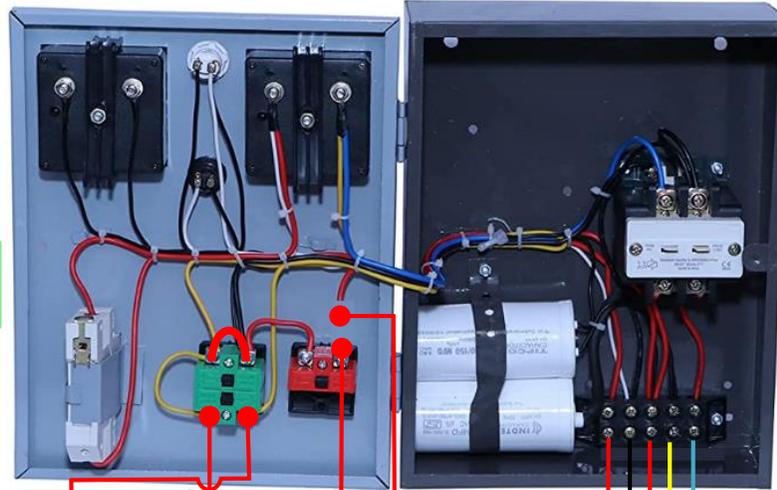
## Step 3

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

# Connection details of SWAP04-C-SOFL(Automatic Detection of Corporation water flow into the Sump with water level control for both Sump and Overhead tank) for single phase Submersible motor



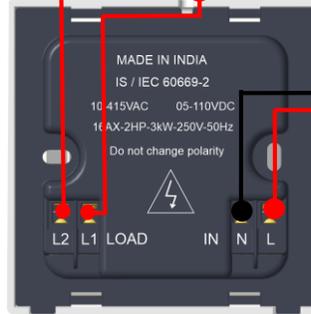
**Single phase Starter**



**SWAP Water Level controller**

## Recommended cross section of wire

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



R Y B

**Motor wire**



**Water Pumps**

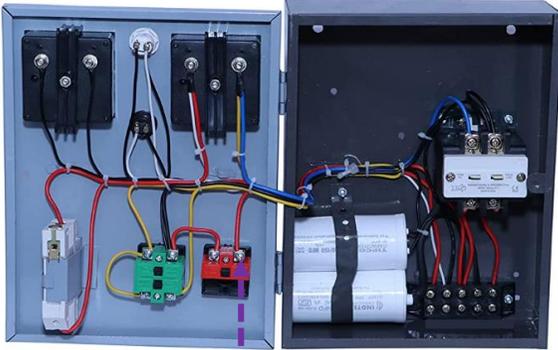
L N

**Main supply**

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

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

## Starter default appearance

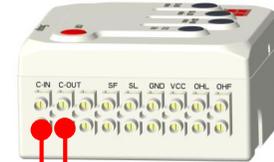
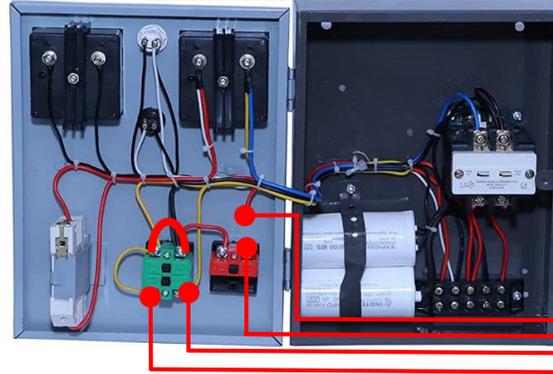


 While making any wiring connection first disconnect the power.



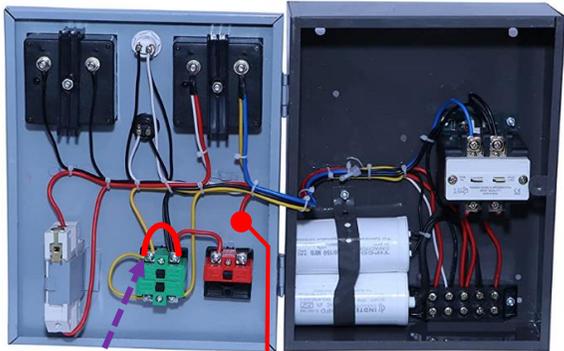
## Step 2

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

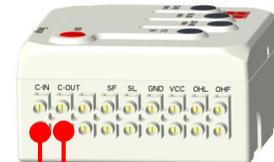
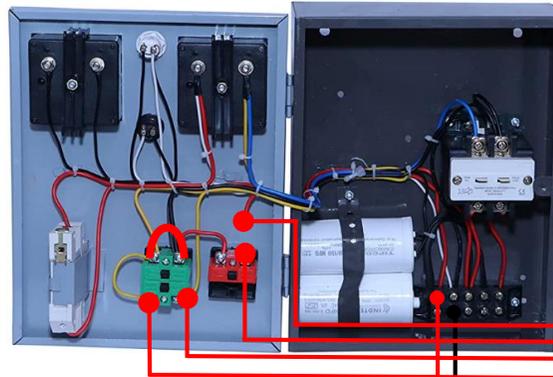
First, remove the wire from any one terminal of the red push button, and then connect that same wire to the C-IN of the Auto-OFF Timer as shown in the image below.



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.

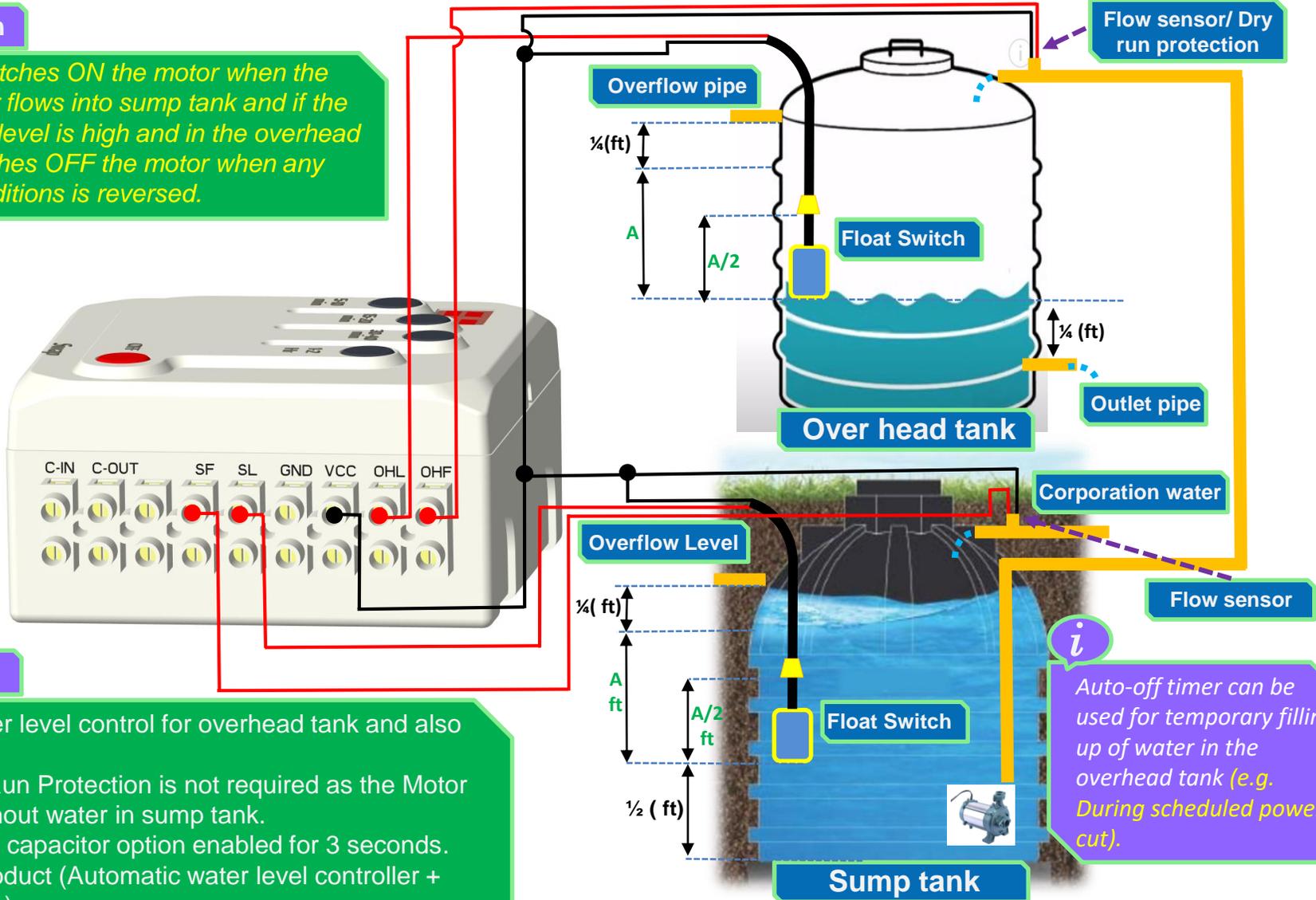


Main supply

# Product & Sensor integration details of SWAP04-C-SOFL

## Product function

Automatically switches ON the motor when the corporation water flows into sump tank and if the sump tank water level is high and in the overhead tank is low. Switches OFF the motor when any one of these conditions is reversed.



## Product features

1. Automatic water level control for overhead tank and also for sump tank.
2. Ensuring Dry Run Protection is not required as the Motor will not run without water in sump tank.
3. Automatic start capacitor option enabled for 3 seconds.
4. Two in one product (Automatic water level controller + Auto OFF timer).

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