

# SMARTANKS

## INSTALLATION MANUAL

Model: ST-DSv1

### ABOUT

SMARTANKS offers seamless control over water motors, enabling effortless automation for filling water tanks. Say goodbye to manual intervention as SMARTANKS efficiently manages water levels, ensuring hassle-free maintenance of your water supply, and saving water and electricity.

### CONTENTS -

Smart Device (1 nos), Wall Fitting (1 pkt), Adapter (1 nos)

### FEATURES

- Three Modes
  - Auto ON / Auto OFF Mode
    - SMARTANKS will automatically turn on the motor when water goes below minimum level.
    - SMARTANKS will automatically turn off the motor when water reaches maximum level.
  - Manual ON / Auto OFF Mode
    - You turn on the motor manually by short pressing the button on SMARTANKS when the water level is between minimum and maximum levels.
    - SMARTANKS will automatically turn off the motor when water reaches maximum level.
  - Manual ON / Manual OFF Mode
    - You turn on the motor manually by long pressing the button on SMARTANKS for at least 5 seconds.
    - You turn off the motor manually by short pressing the button on SMARTANKS.
- Empty tank / full tank indicator
- Motor state indicator.

### COMPATIBLE MOTOR STARTER DEVICES –

A motor starter device with the following properties is compatible:

- Motor ON switch is a single **NORMALLY OPEN** type switch.
- Motor OFF switch is a single **NORMALLY CLOSED** type switch.

### STEPS TO INSTALL -

- Check if your motor starter device is compatible.
- Connect the **NORMALLY OPEN** terminal of SMARTANKS in **parallel** with the **NORMALLY OPEN** switch of the motor starter.
- Connect the **NORMALLY CLOSED** terminal of SMARTANKS in **series** with the **NORMALLY CLOSED** switch of the motor starter.
- Connect a single wire to each **sensor pin** on the device. These wires will go into the tank. Look at the **marking on the device** to know the level at which each wire should be placed.
  - The wire connected to the longest marking should be at the deepest level in the tank.
  - The other two wires should be placed at minimum (shorter marking) / maximum (longer marking) level of the tank.
- Connect the adapter to SMARTANKS and leave it ON.

## **BYPASS SMARTANKS DEVICE (IN CASE OF PROBLEMS)**

In case there is a problem with SMARTANKS, turn off the adapter of SMARTANKS. You can now manually turn ON and turn OFF the motor using the regular switch of your motor starter.

## **WARRANTY -**

All SMARTANKS devices come with a six-month warranty that covers defects in materials and workmanship under normal use. During this period, if the product is found to be defective, the manufacturer will repair or replace it at no additional cost. **This warranty does not cover damages resulting from misuse, accidental damage, unauthorized repairs, voltage / current fluctuations or any alterations.** To claim the warranty, customers must provide proof of purchase and contact the authorized service center. The warranty is limited to the original purchaser and is not transferable.

## **DISCLAIMER -**

Please note that while SMARTANKS strives to provide reliable automation for water management, **we kindly remind users that any damage to water motors or submersibles incurred during use is not within our responsibility.** We recommend consulting with a professional for installation and maintenance to ensure optimal performance and longevity of your equipment. **We also recommend installing an MCB to protect your motors / submersibles from abnormal voltages and currents.**

## **MAINTENANCE -**

Please clean the salt and rust deposited at sensor wires present in the water tank at the period of every three months.

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# **SMARTANKS**

## **LED Legend**

- **MOTOR STATE LED**
  - **ON – Motor is ON**
  - **OFF – Motor is OFF**
  - **BLINKING – Motor is running in MANUAL ON / MANUAL OFF MODE**
- **MAX LEVEL LED**
  - **ON – Water is at maximum level**
  - **OFF – Water is below minimum level**
- **MIN STATE LED**
  - **ON – Water is above minimum level**
  - **OFF – Water is below minimum level**