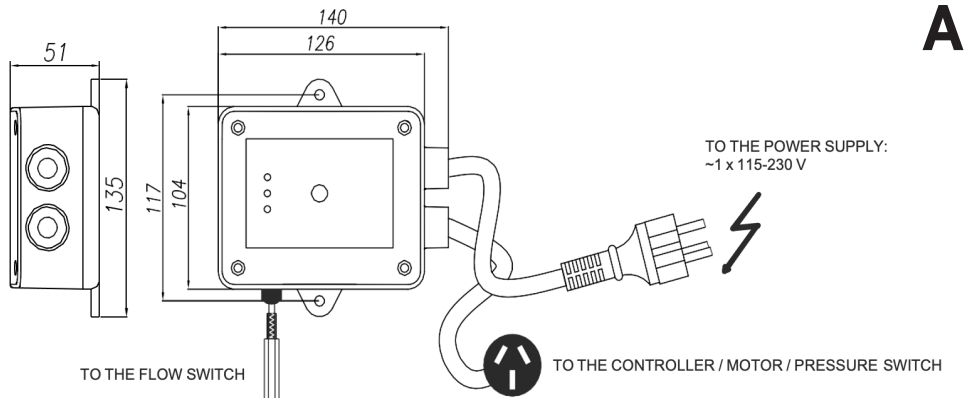


PUMP SHUT OFF CONTROLLER

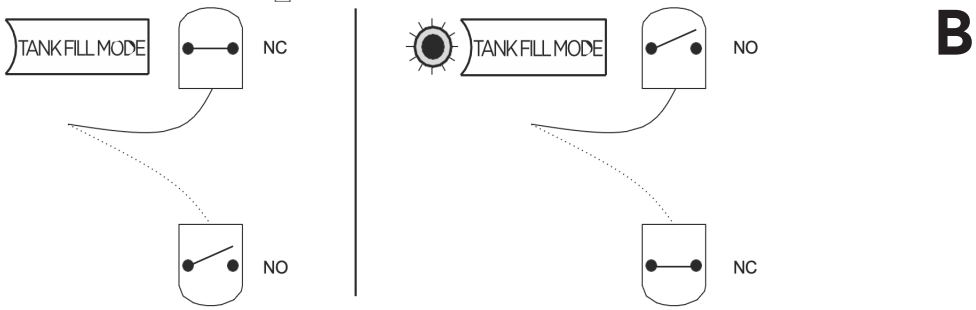


INSTRUCTION MANUAL

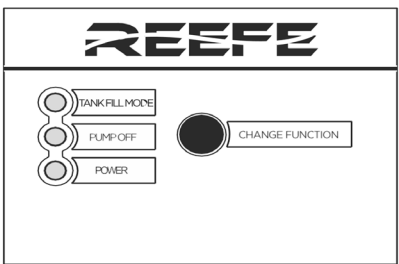
MODEL: RPSC01 & RPSC15
CODE: 24201 & 31711



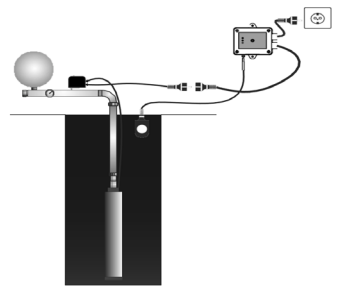
A



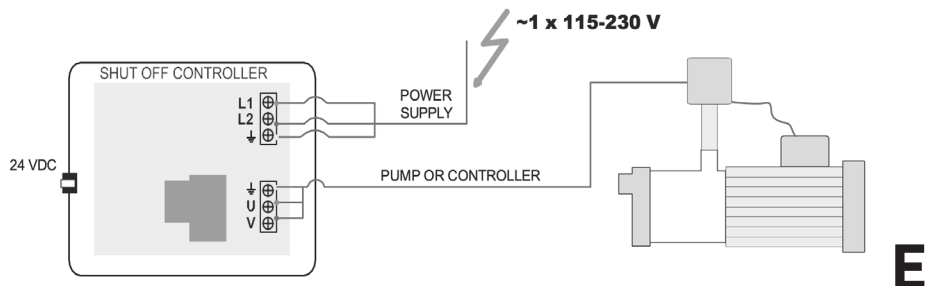
B



C



D



E

Level Switch Controller

GENERAL

Carefully read the instructions before installing this unit. Verify the technical characteristics of the motor to ensure the compatibility with the device.

DESCRIPTION

Plug & play electronic system for protection and control of single-phase electric pumps up to 10 Amps (1,5 kW).

This unit has a low voltage float switch input stopping the pump when the float is down and keeping power to the pump when the float is up, maintaining prime before the tank empties totally.

CLASSIFICATION AND TYPE

According to IEC 60730-1 and EN 60730-1 this unit is a motor protection device, electronic, independent assembly, with action type 1B (micro disconnection). Operating value: $I < 30\% I_{learned}$. Pollution degree 2 (clean environment). Rated impulse voltage: cat II / 2500V. Temperatures for ball test: enclosure (75) and PCB (125).

OPERATING CHARACTERISTICS

- Wall mounted
- 6,35 mm mono Jack float switch input
- Dry-run protection.
- 2 float switch configuration systems: normally closed (NC) and normally open (NO).
- Warning LED-lights: POWER, PUMP OFF and TANK FILL MODE. See “CONTROL PANEL”.
- Already cabled with AS/NZS plug for power socket for pump (or control device) connection and flow switch input.

TECHNICAL CHARACTERISTICS

Rated power mode:	1,5 KW (230V)
Power supply:	-1 x 110-230Vac
Frequency:	50/60Hz
Max. current:	10 A, $\cos \phi \geq 0,6$
Protection degree:	IP65
Max. environment temperature:	50°C
Net weight (type W with cable):	0.7 kg

CONTROL PANEL (diagram C)

Following table summarizes the meaning of the possible led-lights combinations. Where:

- : means led light OFF.
- : means led light ON.

Change Function Button – toggles the state between NO and NC (Tank fill & Tank Empty)

Tank Fill Mode	NC	NO	YELLOW
Power supply:	NOT	YES	RED
Frequency:	NO	YES	GREEN

INSTALLATION (diagram D)

The Level Switch Controller is a wall mounted unit with integrated cables.

Use the two lugs located on the top and bottom of the body for wall mounting.

Directly connected to the mains with the male plug and to the motor through the female socket. If there is an intermediate controller like a pressure switch or an electronic pump controller, this will be connected to this socket.

ELECTRIC CONNECTION (diagrams A, B, E)

The electric connection must be performed by qualified operators in compliance with the regulations of each country.

Before doing manipulations inside the device, it must be disconnected from the electric supply.

Wrong connection could spoil the electronic circuit. The manufacturer declines all responsibility for damages caused by wrong connections.

Check if the power supply is between 115-230V.

Unit is delivered with their cables:

- Power supply: H07RN-F 3G1 + AS/NZS 3112 male plug (150cm length).
- Motor: H07RN-F 3G1 + AS/NZS 3112 socket (15 cm length).
- Float switch: mono jack female 6,35 mm (10 cm length).

If for any reason must be cabled again follow indications on diagram E:

- Use cables H07RN-F 3G1 or 3G1,5 depending on the power installed (with cables 3G1,5 the unit is rated at 16 A).
- Connect U, V and
- Connect L1, L2 and

The earth conductor must be longer than the others. It will be the first one to be mounted during the assembly and the last one to be disconnected during the dismantling. The earth conductors' connections are compulsory!

The float switch will be connected at the 6,35 mm mono Jack female connector located at the bottom of the unit.

OPERATION (diagram B)

When the unit is connected for the first time, the unit starts in TANK FILL MODE (normally open). This means that power is supplied to the pump when the float is DOWN = Tank Fill.

To change to PUMP SHUT OFF CONTROLLER, Hold the 'Change Function' button for 3 seconds until the "TANK FILL MODE" Light is off. Power is now supplied to the pump only when the float is UP = Pump Shut Off Controller.

WARNINGS AND ALARMS

PUMP OFF alarm is activated if there is no water in the tank.

If there is water in the tank and led light is ON:

- Check if float switch is stuck/caught.
- Switch from NO to NC.
- Replace the float switch.

EC STATEMENT OF COMPLIANCE

All materials here with related comply with the following European Directives:

-2014/35/EU: Low Voltage Directive.

-2011/65/EU: ROHS Directive

Name: U490001

Standards: UNE-EN 60730-1: 2013 Automatic electrical control for household and similar use

WARRANTY

2 Year Warranty applies **

**All warranties subject to the current version of the Ascento Standard Terms & Conditions of Warranty which can be found by navigating to www.reefe.au and searching "Warranty"