

## Controller TK-7



Price: **180.00 PLN** gross

**180.00 PLN** for szt.

Manufacturer: - **Pro Eco Solutions Ltd.**

Referention number: **CONTROLLER TK-7**

Condition:: **New**

Quantity: 151 pcs.

### Information:

Controller TK-7

#### Set includes:

- Electronic controller powered by 220 V - **1 pc.**
- Electronic water level and temperature sensor - **1 pc.**
- Solenoid (pressure) valve - 12V - - **1 pc.**
- Cable length: 20 m

## Product features

Equipment:	water level and temperature sensor
Equipment:	solenoid valve
Warranty period:	12 months
Power supply:	230V AC

## Full product description

### TK-7 Solar Controller for Electric Heater

An intelligent, microcomputer-based controller that precisely manages the water temperature in a DHW storage tank. It allows for fully automated or manual control of the electric heater, ensuring comfort and savings when solar irradiance is insufficient.

#### Application:

The TK-7 controller is a versatile device with water temperature and level measurement functions, which manages the operation of the pump and the heater. It is especially recommended for PROECO solar systems of the YL, HX, MK, SOLARIS-L, and SOLARIS-X series. Its universal design allows for use in any domestic hot water storage tank.

#### Main functions:

- **Intelligent heating:** Automatically turns on the heater, taking into account factors such as solar irradiance, water consumption, and user settings.
- **Full automation:** Automatic tank filling and maintaining a constant water temperature.

- **Operating modes:** Ability to manually control water filling and heating.
- **Display:** Clear screen showing the current temperature and water level in the tank.
- **Water shortage alarm:** Acoustic and optical signaling in case of low water level.
- **Winter pipe protection:** Function to maintain heat in the pipelines, preventing freezing.
- **Settings memory:** The controller remembers the entered settings even after a power failure.
- **Pump cooperation:** Ability to automatically control a booster pump during low water pressure.

#### ■ Technical data:

- **Power supply:** 220V AC
- **Power consumption:** < 5 W
- **Temperature measurement range:** 0 - 99°C
- **Temperature control accuracy:**  $\pm 2^{\circ}\text{C}$
- **Maximum heater power:**  $\leq 2000\text{ W}$
- **Maximum pump / heating belt power:**  $\leq 500\text{ W}$
- **Protection:** leakage current < 10mA/0.1s
- **Solenoid valve:** DC 12V (for pressurized and non-pressurized systems)

#### ■ User Manual:



[User Manual - TK-7](#)