

Solar Collectors Controller G-403-P04



APPLICATION

The G-403-P04 is designed to control pumps operation. It stabilizes the temperature in the solar collectors systems.

Additionally the controller supports integrated systems with one additional device like: utility hot water tank, gas, oil or solid fuel boiler, stove, floor or wall heating systems etc.

Two-pieces construction allows flexible installation especially when aesthetical presentation in the apartment matters.

PROPERTIES

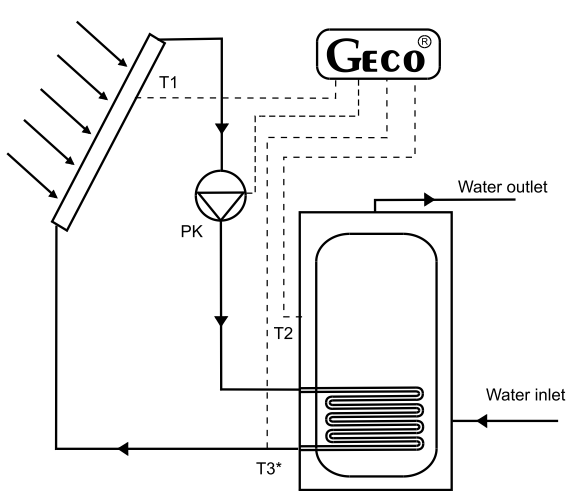
- Modern visualization of casing.
- Simple and user-friendly method of programming and service.
- Two-pieces construction (executive module + keyboard)
- Possibility for direct connection of the equipment working under 230V voltage such as:
 - a) Solar collectors main pump
 - b) Additional device pump
 - c) Three-way valve
- Sound signal for the alarm.
- Provides storage of all controller settings while loss of network power.
- Possibility for connection of the second solar collector

TECHNICAL DATA

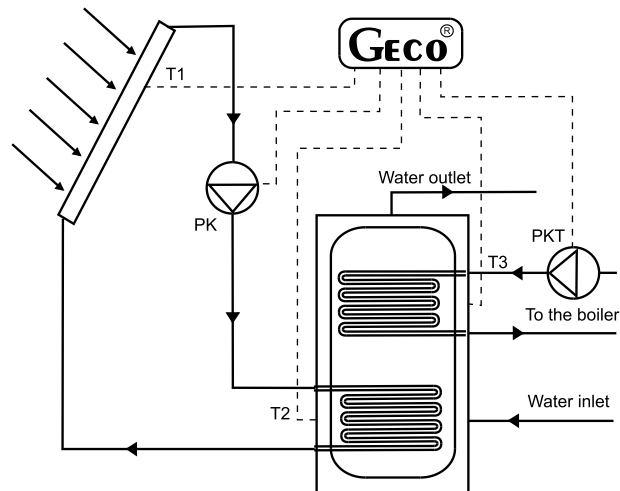
OUTPUT	TRIAC/RELAY	RECOMMENDED CONSTANT CARRYING CAPACITY		
		4A	1HP	750W
P1 - PK pump	16A	4A	1HP	750W
P2 - Pk2 (PC,PKT,Ztotw)	16A	4A	1HP	750W
P3 - 3way Valve Ztamk	16A	4A	1HP	750W

Operating voltage	230V
Environment temperature	From +5°C to + 40°C
Relative humidity	20% ÷ 80% RH
Protection degree	IP65 from the front side of the control panel
Sensors type	NTC - range: from -40°C to +100°C

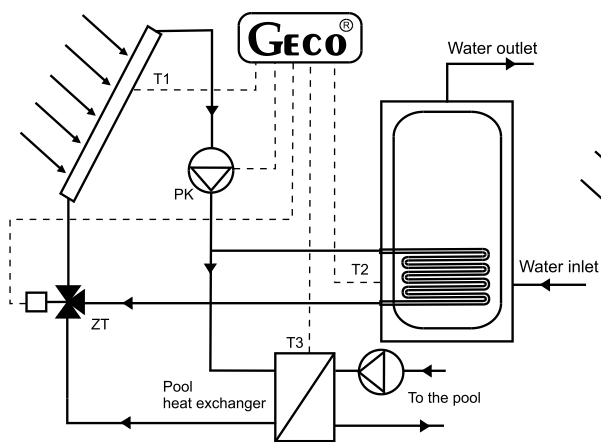
Types of installations possible to connect into the G-403-P04



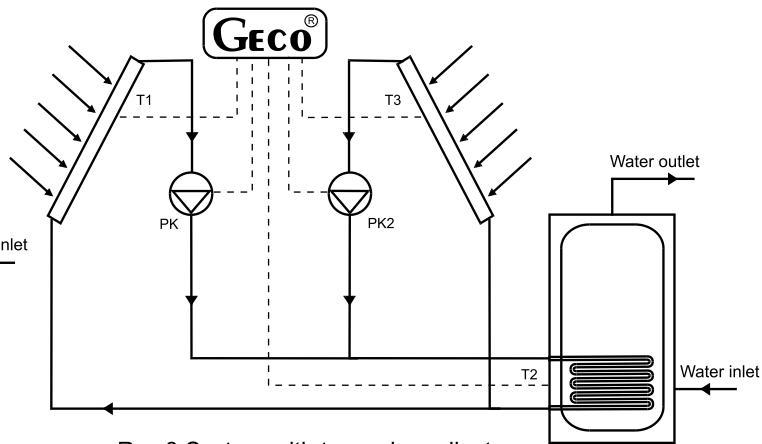
Rys. 1 Basic system with one collector



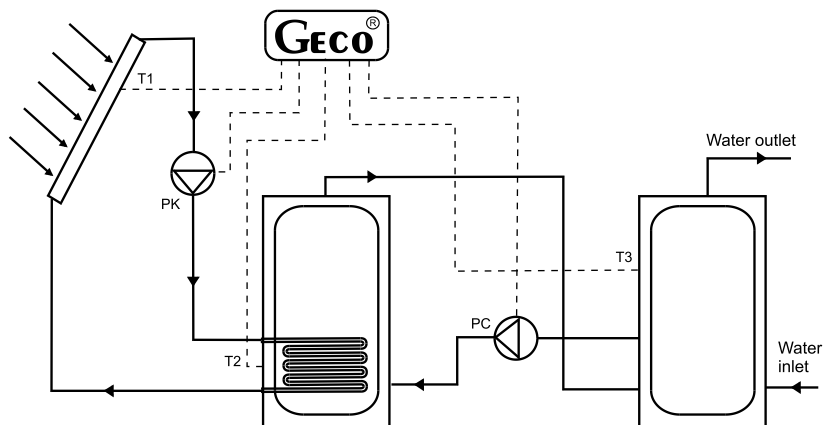
Rys. 2 System with one solar collector and boiler pump.



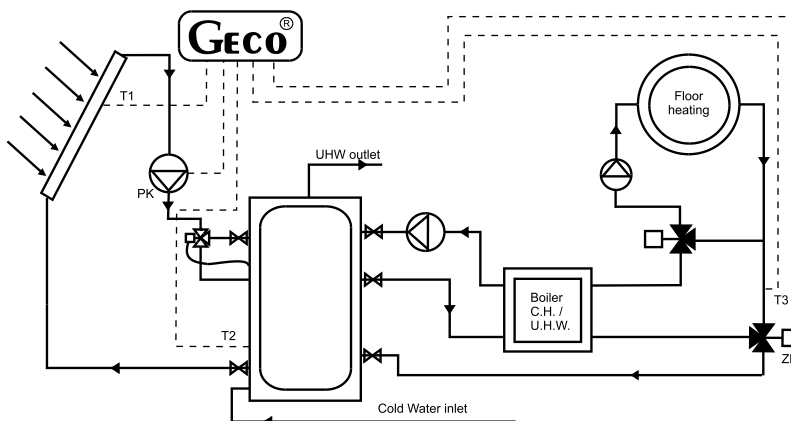
Rys.4 System with one solar collector and pool heating



Rys.3 System with two solar collectors



Rys.5 System with one collector and Utility Hot Water pump



Rys.6 System with one collector and floor heating

Set Includes

I. General Equipment:

1. Executive module
G-403-M023400-P04
2. Control panel
3. Tape connecting the control panel with the executive module
4. Temperature sensors:
 - a) To measure solar temperature
 - b) To measure the isolated tank temperature
 - c) To measure additional temperature (depending on the configuration)

II. Additional equipment:

1. Metal case
2. Plastic case with the control panel installed on the door.
3. Hot water tank temperature sensor CZT-CZ-OD-xxx
4. Measuring drain
5. Supplying wire