

## KVLON LONWORKS DHWS CONTROLLER

KVLON is a PI-controller using LON-technology. It is used for controlling the temperature of domestic hot water systems. The controller has a Pt1000 sensor input and 0...10V analogue output for an actuator. The controller front panel has knob for adjusting the controller set point  $\pm 6^{\circ}\text{C}$ .

The controller supports LonTalk® communication protocol and uses FTT-10 transceiver/receiver. Temperature information is converted into standard network variable types (SNVT) and sent via LON-network to the control system. KVLON is configured at commissioning stage by giving the parameters and set values by a standard LON network binding tool such as LonMaker® for Windows. LonMaker is also used to create logical binding between multiple controllers to send messages from one controller to another.



### Function:

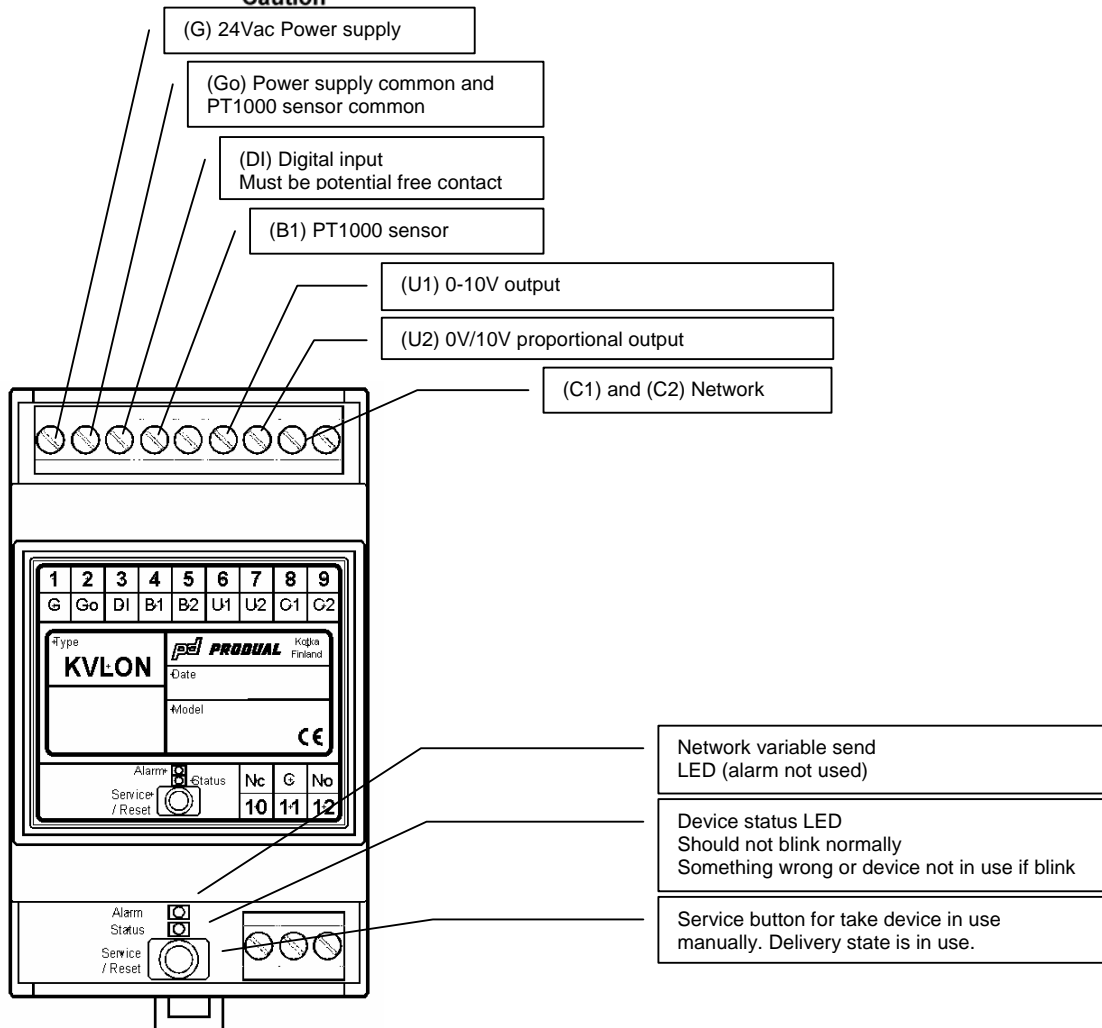
KVLON detects the water temperature by the sensor B1 and compares it to the set value ( $55^{\circ}\text{C}$ (default value)  $\pm 6^{\circ}\text{C}$ ). If the detected value deviates from the set value, the controller is modifying the output to reach the set value according to the PI-parameters..

Model Types	Model	Description
	<b>KVLON</b>	KVLON LonWorks Domestic Hot Water Controller
Technical Data	Power Supply	24Vac
	Inputs	B1 - 1 x Pt 1000 (TENA PT1000 Immersion Temperature Sensor)
	Outputs	U1 - 0...10Vdc U2 - 0/10V/0..5 sec. Time Proportional Output
	Transceiver	FTT-10
	Neuron	3120
	Mounting	DIN-rail
	Protection Class	IP20
	Operating Temperature	-10..50°C non condensing
	Dimensions	53W x 90H x 60.5D mm
Accessories	Model	Description
	<b>TENAPT1000</b>	TENA Pt1000 Immersion Temperature Sensor

**Wiring Terminals**



The electrical installation, device connection and commissioning can only be carried out by qualified professionals and according to the local wiring regulations!



**Dimensions and the User Interface**

