

QUICK GUIDE

ELECTRIC BLANKET



DESCRIPTION

In this quick guide we want to explain how to connect the electric blanket to a controller of any kind.

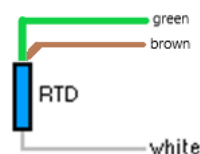

ATTENTION!

A maintenance technician is required to carry out the process. If you are not careful, you risk causing damage to the control unit, for which DAV Tech is not responsible.

Electric blankets are used to keep the fluid inside special containers, generally drums or tanks, at a constant temperature (usually 50°C or lower). This is useful for various reasons, depending on the type of fluid to be heated, i.e. it can be useful because at lower temperatures the fluid begins to cross-link, or it is necessary to decrease the viscosity of the fluid to facilitate its transport, or other. Please notify the technical department for fluids at temperatures above 50°C. Here are some technical notes regarding electric blanket:

SPECIFICATIONS		
Description	UdM	Values
Electrical Characteristics		
Single-phase supply voltage	V	110 - 230 ± 10%
Current consumption	A	2
Power consumption	W/sqm	100 ÷ 300
Thermal Characteristics		
Working temperature range	°C	30 ÷ 150
Mechanical characteristics		
Tank diameter range	Mm	14 ÷ 150
IP Rating	\	IP 54
Tank dimensions	Liters	20 ÷ 200

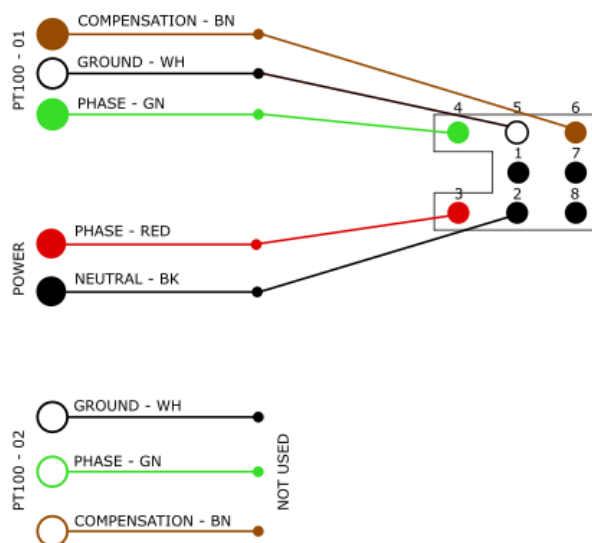
CONNECTION FEATURES	
Cable color	Utilization
BLACK	Neutral
RED	Phase
WHITE (x2)	Ground PT100
GREEN (x2)	PT100 Phase
BROWN (x2)	PT 100 Compensation

WIRING DIAGRAM PT100 – 3 WIRES

ATTENTION!

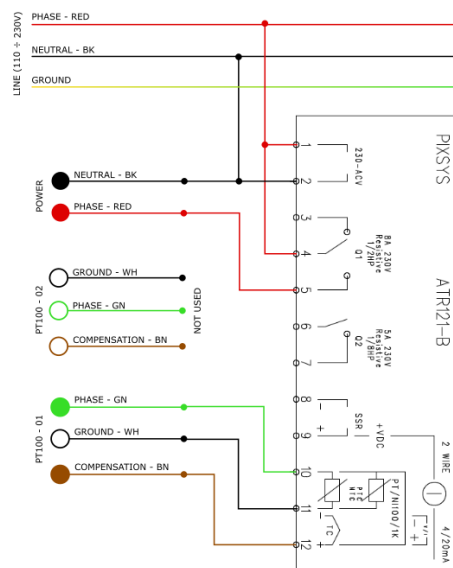
You are asked to work in the absence of voltage when wiring

WIRING

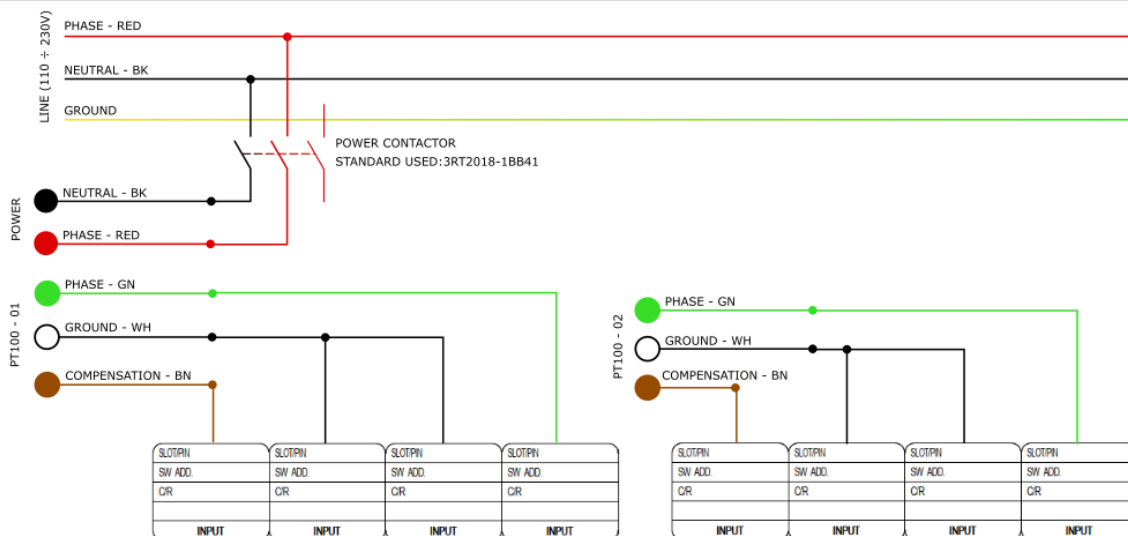
CONNECTING TO CONTROLLERS



CONNECTING TO PIXSYS



CONNECTION TO PLC



APPLICATION NOTES:

1. There is no difference between PT100-01 and PT100-02, you can use either of them independently;
2. For PLC connection, you need to see the schematic of the project to understand where they need to be connected precisely. If it is an external wiring diagram, ask the manufacturer for more information.
3. The PT100-02 is used as a check, to see if the PT100-01 probe is still working properly. In the case of the controller and PIXSYS, the probe is not used (remains disconnected), while with the PLC it is used. In cases where it is not used, it is advisable to insulate it properly.

EU Declaration of conformity (2014/35/UE)

Manufacturer's name: DAV Tech Srl
Address: Via G. Ravizza, 30, .36075, Montecchio Maggiore (VI)

DECLARES THAT:

Component: Heated blanket
Year: 2024
Intended use: Various dimensions drums heating

The object of the declaration described above is in conformity with the relevant Union harmonisation legislation:

- DIRECTIVE 2014/35/EU OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 26 February 2014 on the harmonisation of the laws of the Member States relating to the making available on the market of electrical equipment designed for use within certain voltage limits (recast)

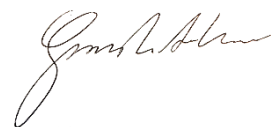
DECLARES ALSO THAT:

- This declaration of conformity shall be issued under the sole responsibility of the manufacturer
- It undertakes to forward, in response to a properly reasoned request from the national authorities, relevant information on this;

Montecchio Maggiore, 30 april 2024

Legal representative

Andrea Grazioli



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