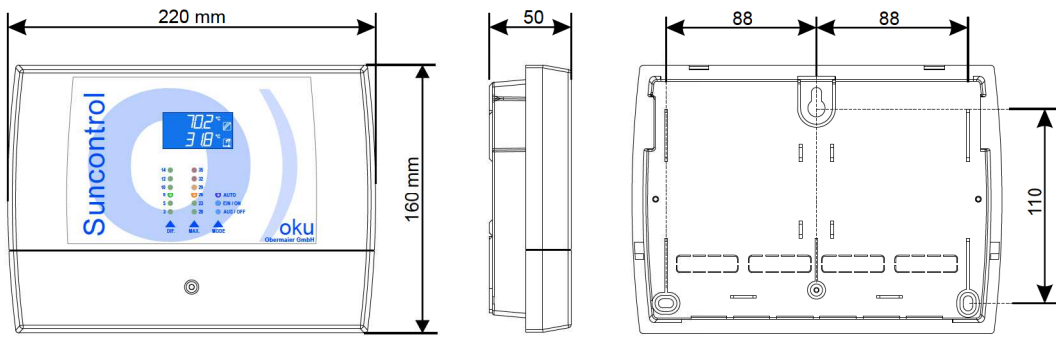


TECHNICAL FEATURES



Power supply: 110V~ +10 /-15% 50/60Hz
 LCD lit-up: 40 x 20 mm
 Box: Plastic ABS V0 IP40
 Environment: Humidity= 20 to 85% / Pollution= 2

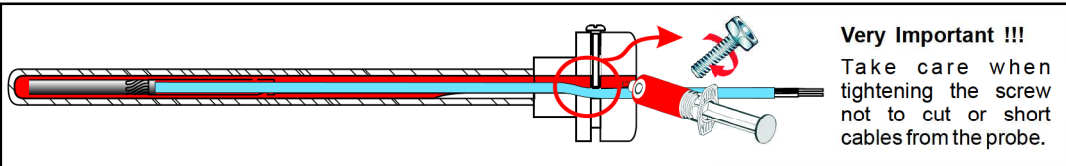
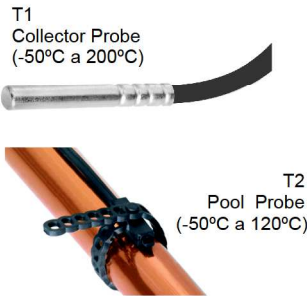
Temperature: Storage= -10...60 °C
 Operation=-5...40°C
 Operation: Software type A. Type of action 1.B
 Relays: SPDT with potential free contacts

SUNCONTROL	Relays	Probes
600100	3 (10A tipo SPDT)	2 PT1000 1,5m

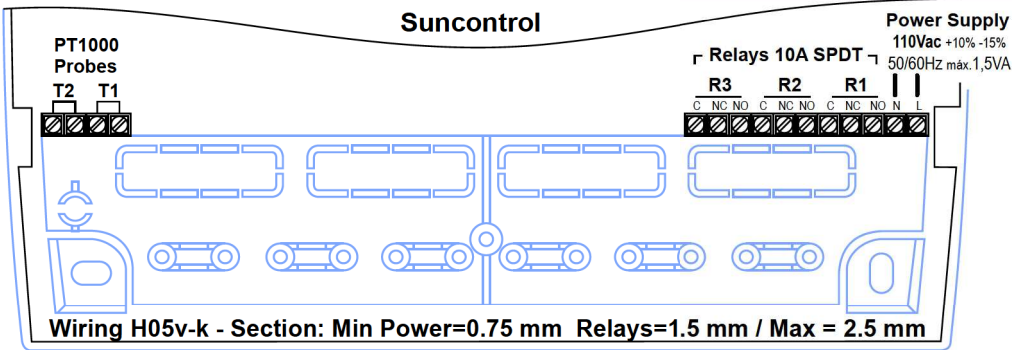
Probe testing scale:

°C	-20	-10	0	+10	+20	+30	+40	+50
Ω	921	961	1000	1039	1078	1117	1155	1194

°C	+60	+70	+80	+90	+100	+120	+140	+160
Ω	1232	1271	1309	1347	1385	1461	1536	1610



Electrical Wiring



MOUNTING and WIRING

PROBES

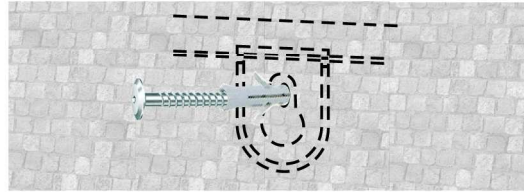
- It is recommended to use original probes only (1.5m PT1000); if they need to be lengthened the connection has to be welded not to lose the reading value and retracted to isolate them from moistness.
- The panel probes should be installed at the end of the panel and toward the installation.
- The storage tank probes have to be inside the tanks and properly sheathed.
- The probe cables should never be embedded in the same channel as the electrical wires.

RELAYS

- The relays enabling your installation devices are potential-free contact and work as switches only, which means that they only open/close the contacts, and that they feed the devices connected to the relay corresponding to each device.
- Make sure to have properly made the electrical connections from the devices to the relay contacts before feeding the Suncontrol terminal.

SURFACE ASSEMBLY

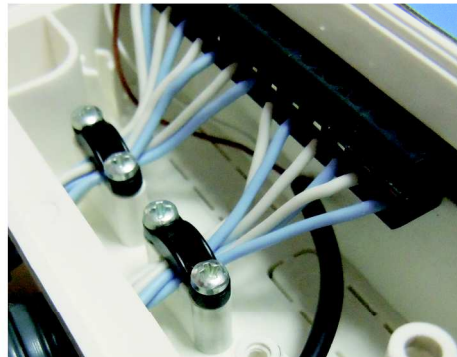
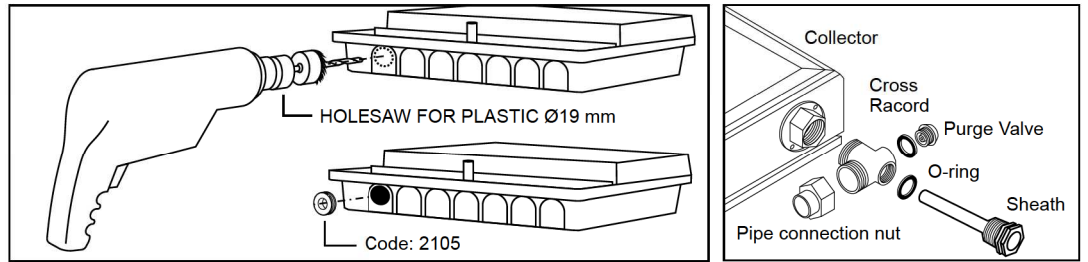
1.- Hang to wall by screw.



2.- Open cover conexions



Fix device to wall by through the lower end screws



IT IS RECOMMENDED

To comply with electrical safety standards when connecting probes, devices, and power supply wiring, using cable holders, channelling by means of tubes or compression glands, and to provide the installation with adequate electrical safety.

At the controller's base die cutters are arranged in case the wiring does not come from a junction box and the cables come from behind.

You can use the modes EIN / ON - AUS / OFF to check the connection and disconnection of the devices associated with the relays.

INSTALLATION INDICATIONS

If Suncontrol behave abnormally installation, result of a malfunction in one of the Probes, T1 Absorber (Collector) and / or T2 Pool (Accumulator), the device will inform us with "Error" (mal function) message:

PROBE ERROR T1

When the device detects a failed Probe Absorber T1 (Collector), show Erro message displayed next to the icon Probe T1, and activate relays R1 and R2 to avoid excessive temperature rise in the solar collector circuit.

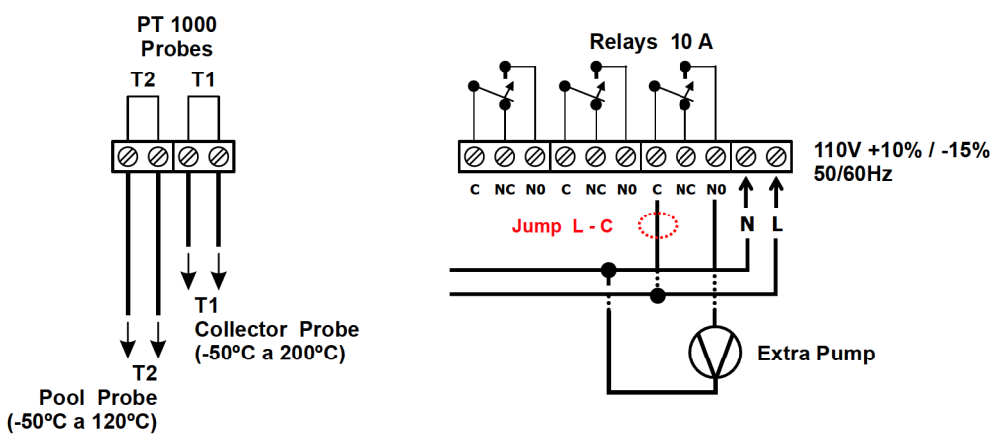
PROBE ERROR T2

When an Error is detected in the Probe T2 Pool, will display the message Erro icon next to the Probe T2. The device acts in two different ways:

- If the temperature T1 is equal to 50°C or higher: R1 and R2 will Activate.
- If the temperature T1 is equal to 49°C or lower: Turns OFF, R1 and R2.

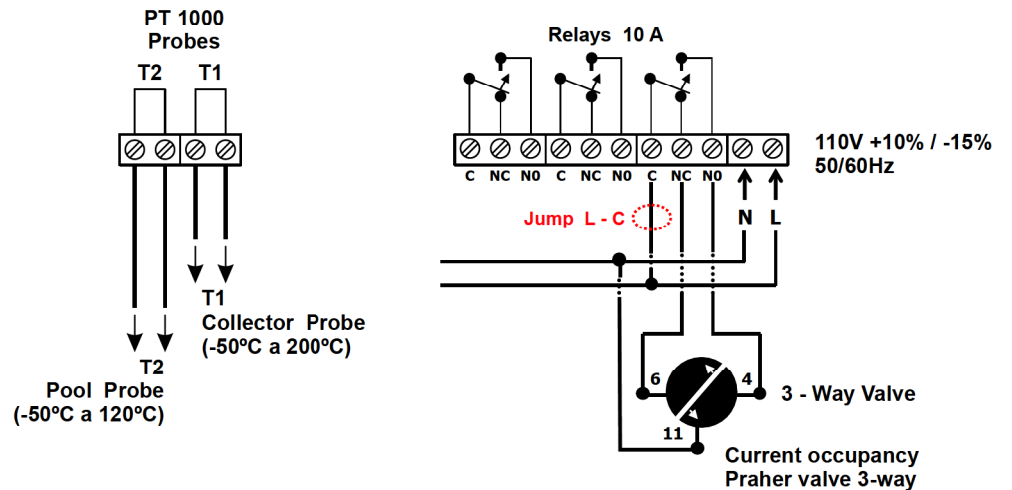
ELECTRICAL WIRINGS

OKU Suncontrol Electrical wirings for Installation with Extra Pump

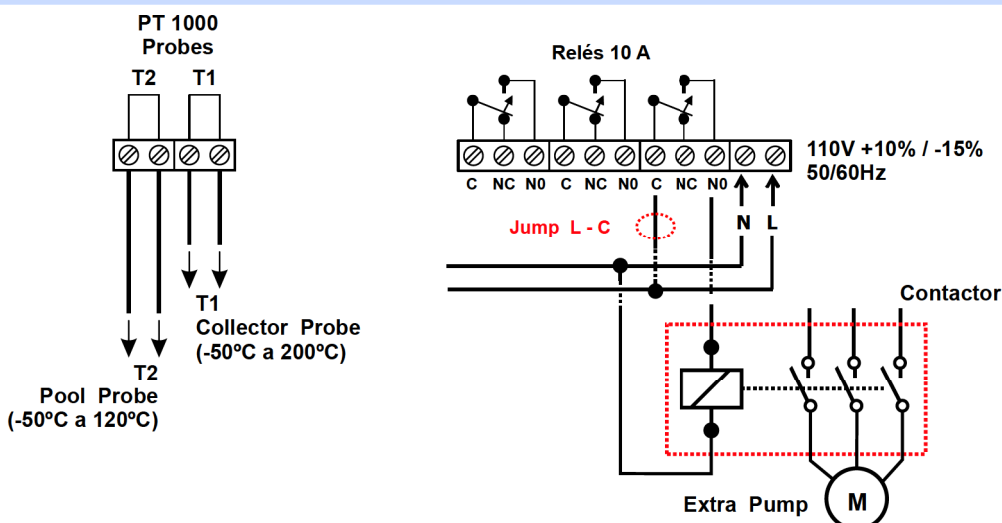


ELECTRICAL WIRINGS

OKU Suncontrol Electrical wirings for Installation with 3-way valve



OKU Suncontrol Electrical wirings for Installation with extra pump and contactor



OKU Suncontrol Electrical wirings for Installation with 3-Way Valve & Filter Pump Start

