

# Product Information

## Display Controller



RES-5200  
RES-5400  
UPT-6400

# Get full control: With the three newcomers!

## RES-5200



Our digital all-rounder, equipped with all standard functions.

Backwards compatible to the RES-420 in function and form factor.

## RES-5400



The big brother of the RES-5200. Enhanced with additional interfaces and configuration options.

Backwards compatible with the RES-440 and RES-445 in function and form factor.

## UPT-6400



Ideal for CIRUS sealing applications. Equipped with the same features as the RES-5400.

Backwards compatible with the UPT-640 in function and form factor.

# Product comparison

Customer advantage	<b>RES-5200</b> <b>RES-5400</b> <b>UPT-6400</b>	<b>vs.</b> <b>Competitive product</b>
Visualization of the temperature curve	High resolution TFT display	Not available
On-site firmware update	Possible with ROPEXupdate	Not available
Simple configuration	Intuitive menu navigation ROPEXvisual (PC application)	Command interface via RS232/USB
Wide range power supply	110 V – 480 V	Not available
Compatible with CIRUS sealing tools	Available	Not available
Security feature	Galvanically isolated output and input signals Heating circuit error monitoring / emergency shutdown (CBM-2)	Not available

## RES-5200

Successor of the RES-420

## RES-5400

Successor of the RES-440, RES-445

## UPT-6400

Successor of the UPT-640



### Highlights

- ✓ Graphical display of the measured values
- ✓ Recipe manager for up to 9 recipes
- ✓ TCR calculator: Adjustment of the heat sealing band TC by means of reference value input
- ✓ CSA approval

### Standard features

- ✓ High resolution color display (TFT)
- ✓ Intuitive configuration menu
- ✓ Parts counter
- ✓ Wide voltage range (110...480 V mains supply)
- ✓ Galvanically isolated analog output
- ✓ USB-C for ROPEXvisual software
- ✓ On-site firmware update (ROPEXupdate)
- ✓ Dynamic QR code with instructions for troubleshooting (ROPEX website)

# RES-5400

Successor of the RES-440, RES-445

# UPT-6400



Successor of the UPT-640

## Additional functions


- ✓ Direct PLC connection possible
- ✓ Several configurable galvanically isolated output and input signals
- ✓ Ambient temperature detection for AUTOCAL
- ✓ Integrated time control for simple machine sequences
- ✓ Status display of the outputs
- ✓ Preheat function: adjustable base temperature of the heat sealing band (RES-5400)



# Function comparison- RES display controller

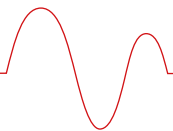
Typ	Temperatur		Display	Diagnostics	Terminals		Approval	Diagnosis Tool	Voltage range	Features
	Adjustment	Output			Alarm	Booster				
RES-420 <i>Last order 31.12.2023</i>	Display	-	● LCD ○ VFD	●	●	●	-	CI-USB-1	110...120 VAC 220...240 VAC 380...415 VAC	• Simple applications
<b>RES-5200</b>	Display	Display ■ 0...10 VDC	TFT	●	●	●		ROPEXvisual	110...480 VAC	• Replacement for RES-420 • Simple applications
RES-440 <i>Last order 31.12.2023</i>	Display	□ 0...10 VDC	● LCD ○ VFD	●	●	●	-	CI-USB-1	110...120 VAC 220...240 VAC 380...415 VAC	• Timer functions • Preheat
RES-445 <i>Last order 31.12.2023</i>	Display ■ 0...10 VDC	■ 0...10 VDC	● LCD ○ VFD	●	●	●	-	CI-USB-1	110...120 VAC 220...240 VAC 380...415 VAC	• Timer functions • Preheat • PLC interface
<b>RES-5400</b>	Display ■ 0...10 VDC	Display ■ 0...10 VDC	TFT	●	●	●		ROPEXvisual	110...480 VAC	• Replacement for RES-440, RES-445 • Timer functions • Preheat • PLC interface

# Function comparison- UPT display controller

Typ	Temperatur		Display	Diag-nostics	Terminals		Approval	Diagnosis Tool	Voltage range	Features
	Adjustment	Output			Alarm	Booster				
UPT-640 <i>Last order 29.02.2024</i>	Display ■ 0...10 VDC	■ 0...10 VDC	● LCD ○ VFD	●	●	●	-	CI-USB-1	110...120 VAC 220...240 VAC 380...415 VAC	<ul style="list-style-type: none"> <li>• Timer functions</li> <li>• Cooling system monitoring</li> <li>• PLC interface</li> </ul>
<b>UPT-6400</b>	Display ■ 0...10 VDC	Display ■ 0...10 VDC	TFT	●	●	●		ROPEXvisual	110...480 VAC	<ul style="list-style-type: none"> <li>• Replacement of UPT-640</li> <li>• Timer functions</li> <li>• Cooling system monitoring</li> <li>• PLC interface</li> </ul>

# ROPEX- Explanation of terms

Function	Explanation
ROPEXupdate	You can use the ROPEXupdate application software to update the firmware version of your ROPEX temperature control unit.
ROPEXvisual	With the ROPEXvisual® visualization software, you can both change the configuration of a 5000 or 6000 series temperature controller and document the current sealing parameters.
TCR calculator	The TCR calculator can be used to determine the temperature coefficient (TCR) of the heating element used.
Preheat	With the PREHEAT function, the heat sealing band can be heated to a preheat temperature. Subsequently, the heating time to the set target temperature can be shortened for time-critical applications.



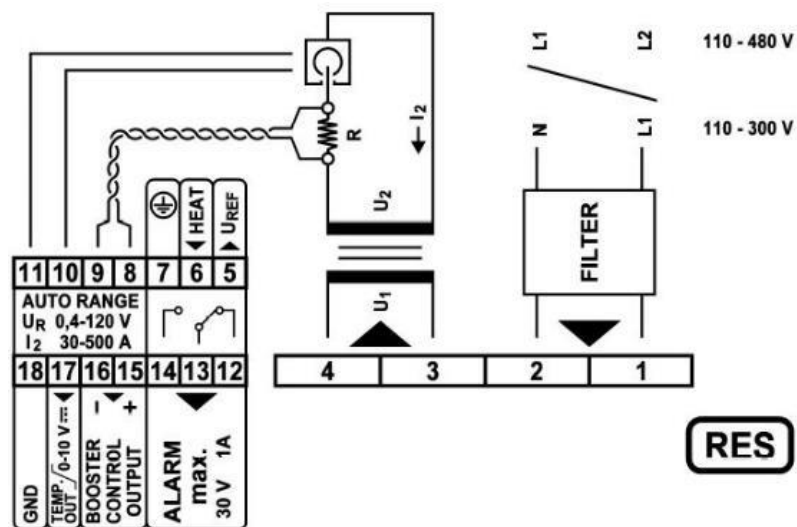


# Backwards compatibility

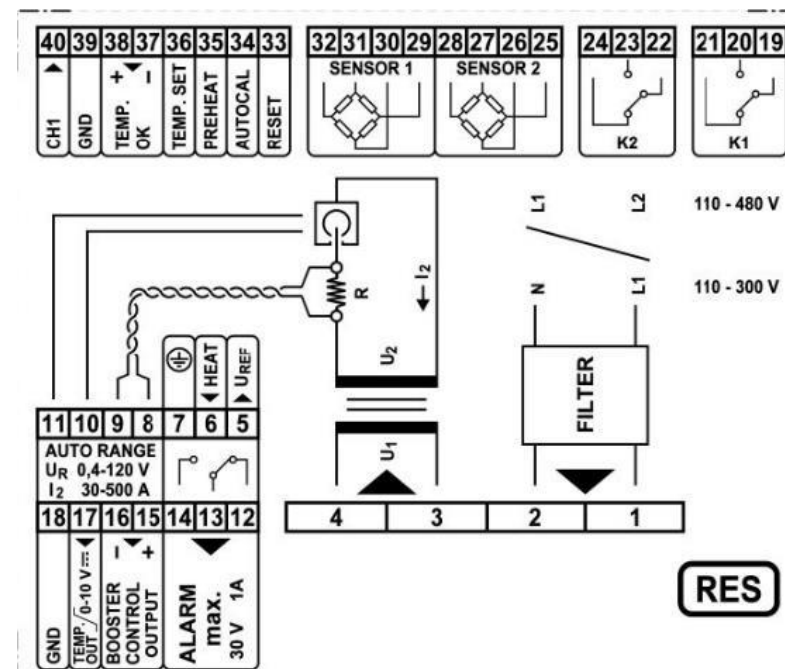
## Wiring

The terminal numbers change, the functionality remains the same.

### RES-5200



### RES-5400

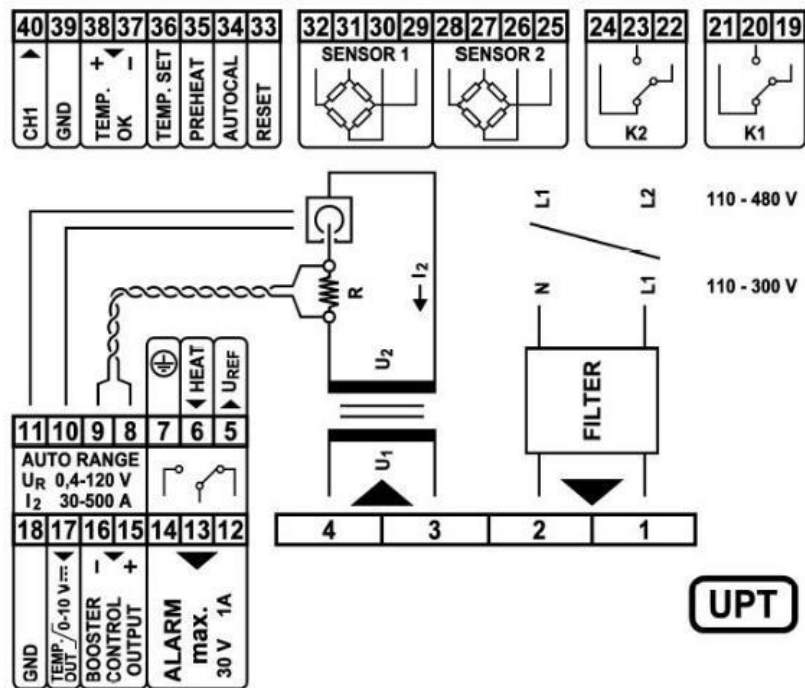


# Backwards compatibility

## Wiring

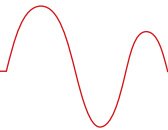
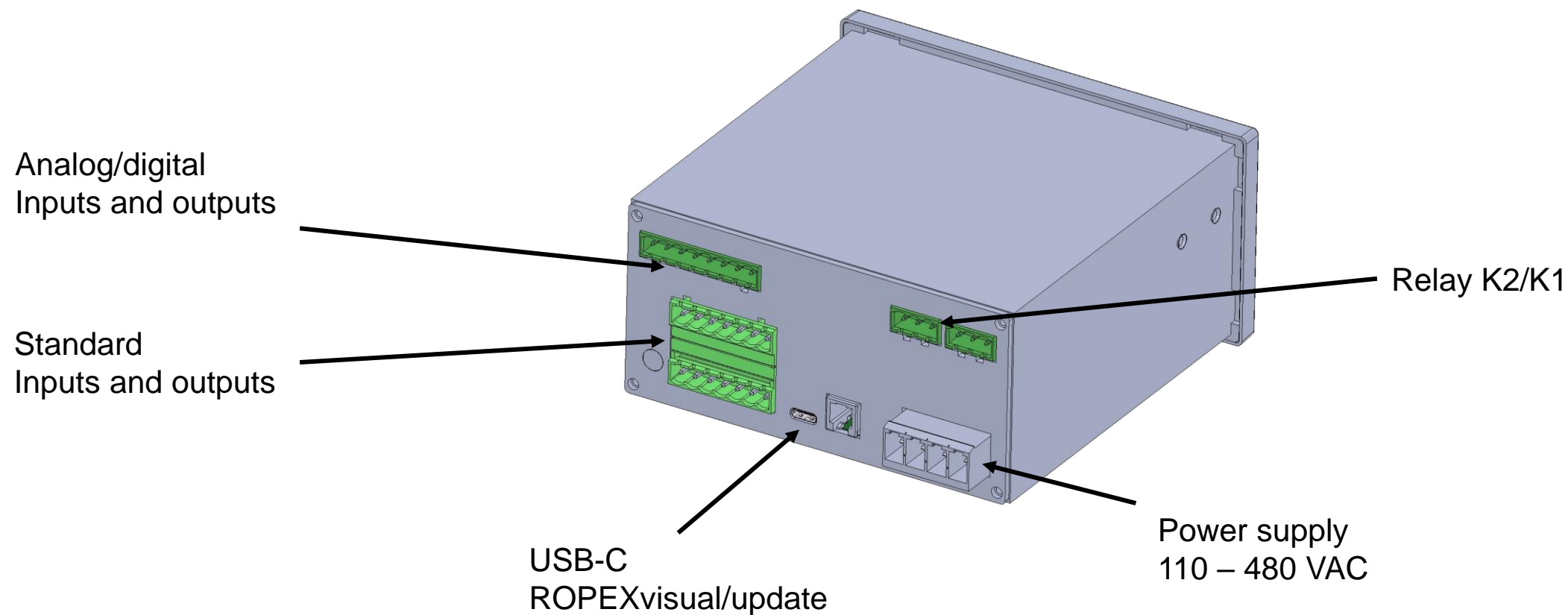
The terminal numbers change, the functionality remains the same.

### UPT-6400



# Backwards compatibility

RES-5200/ RES-5400



# Display Controller

RES-5200



RES-5400



UPT-6400



- Orders possible from now on
- Delivery from Q1 / 2024 for RES-5200 & RES-5400
- Delivery from Q2 / 2024 for UPT-6400
- Conversion instructions available

# Contact

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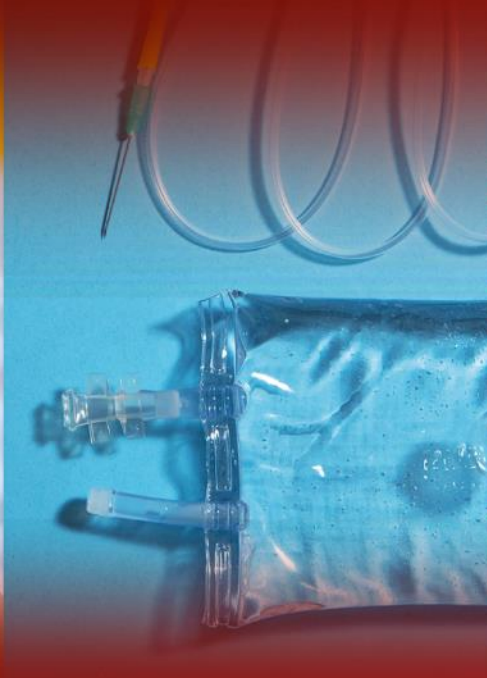
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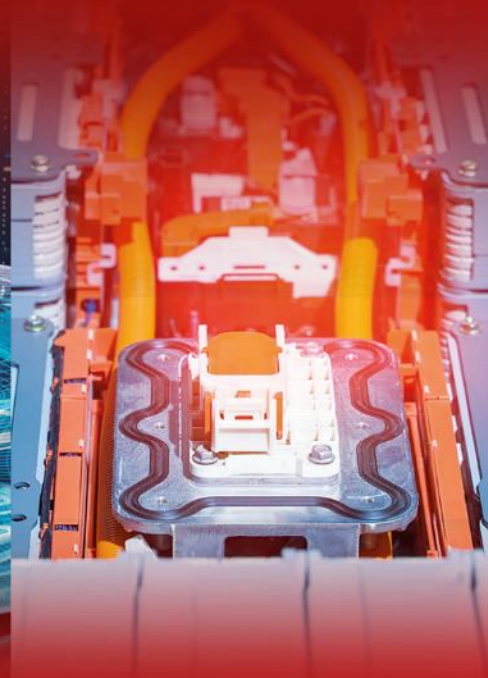
HEALTH



AUTOMOTIVE



BATTERIES



DEVELOPING  
INDUSTRIES

