

## How to replace IPAQ-4L with IPAQ R460

### Cross reference list

This document will help you to replace the IPAQ-4L with the alternative product IPAQ R460. The product can be replaced according to the list below.

IPAQ-4L, 24 VDC → IPAQ R460

IPAQ-4L, 230 VAC → IPAQ R460 + External Power Supply 24 VDC (Not INOR scope of delivery)

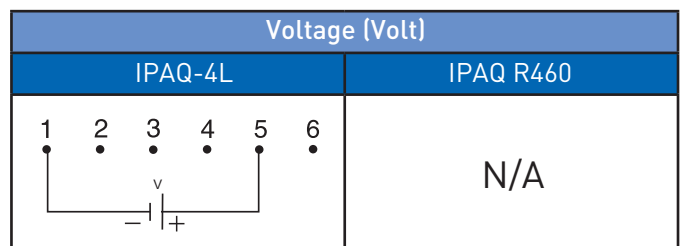
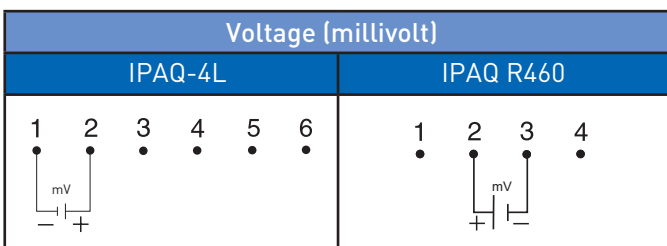
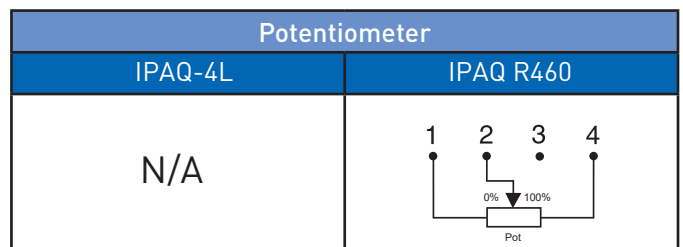
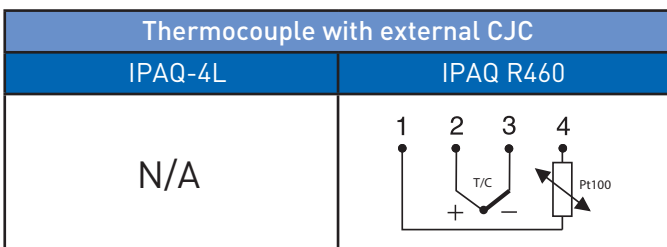
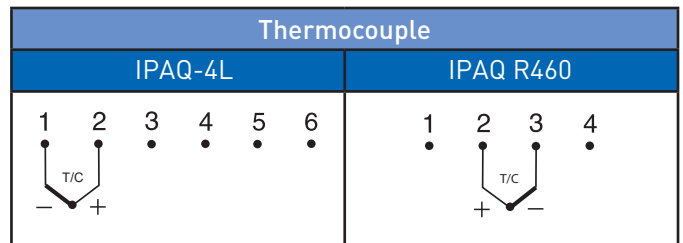
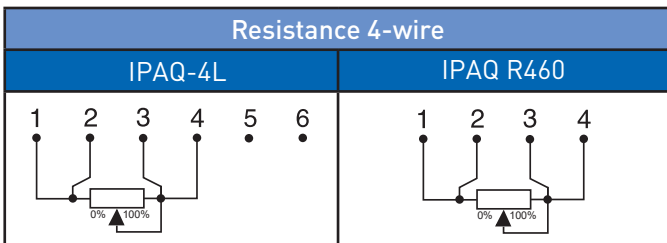
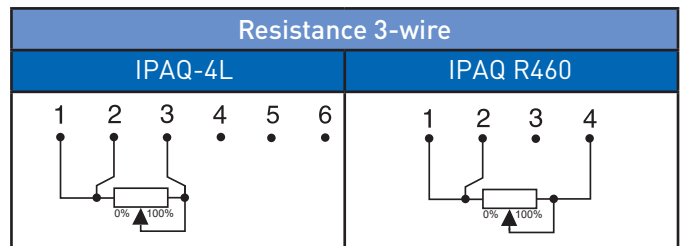
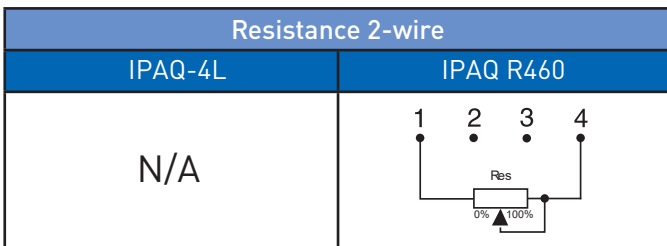
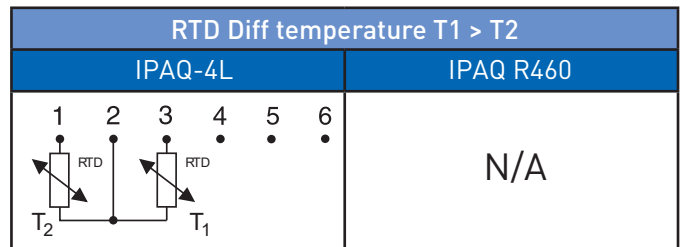
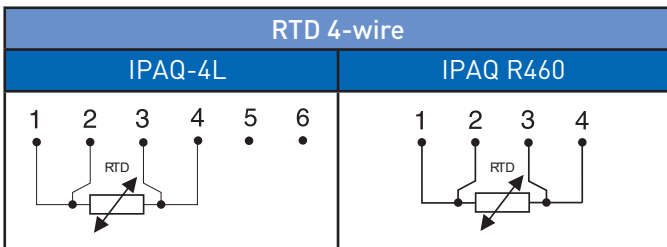
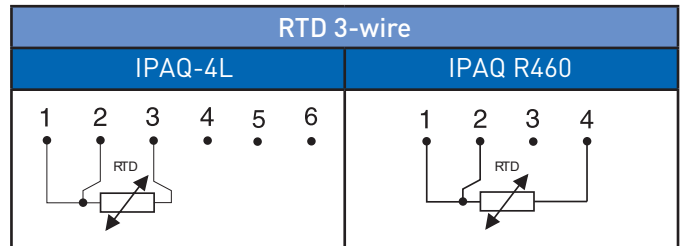
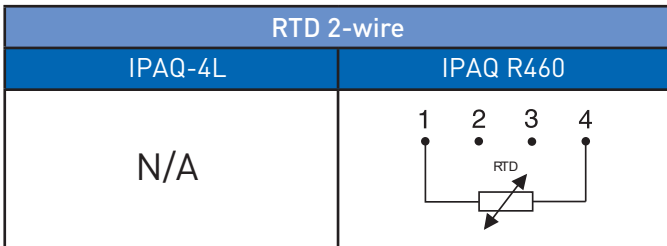
Please check your application to secure functionality.

### Input and Output terminals

IPAQ-4L	IPAQ R460

# IPAQ-4L and IPAQ R460 Connection diagram

## Input Connections



Current (mA)	
IPAQ-4L	IPAQ R460
	N/A

### Output Connections

Current (mA)	
IPAQ-4L	IPAQ R460

Voltage (Volt)	
IPAQ-4L	IPAQ R460

### Power Supply

Power Supply	
IPAQ-4L	IPAQ R460

## Comparison of how to configure IPAQ-4L and IPAQ R460

### Measurement range

#### INPUT

Sensor type: Pt100 ①

Sensor connection: 3-wire ②

Measuring range: -50 ... +150 °C

③ ④

#### OUTPUT

Output signal: 4 ... 20 mA ⑤

Characteristics: Rising (the beginning of the measuring range corresponds to 4 mA) ⑤

Under/Ovrerrange: 3.8/20.5 mA ⑥

### Error monitoring

Sensor error indication: Upscale >21 mA ⑥

## Configure IPAQ-4L via PC Software ConSoft/IPRO

① Input Type: Pt100 (a=3850)

③ Input Min (°C): -50

④ Input Max (°C): 150

② Linearization: Temperature

⑥ Connection: 3 wires Sensor Break: Max (>21 mA)

⑤ Output: 4 - 20 mA

⑥ Low limit (mA): 3,8

High limit (mA): 20,5

Output

High limit

Max

Min

Low limit

Min Max

Input

# Configure IPAQ R460 with DIP switches

© INOR 10/2022 - 4009623401 - Info IPAQ-4L/IPAQ R460 R01 en - All information subject to change without notice.

DIP S1 • = on					Input
1	2	3	4	5	
•					Pt100
•					Pt1000
	•				Ni100
•		•			Resistor
				•	2-wire
			•		3-wire
					4-wire

DIP S1					Start Value				
6	7	8	9	10	°C	°F	Ω	Poti	mV
•					-200	-328	0	0%	-100
	•				-175	-283	50	1%	-90
•	•				-150	-238	100	2%	-80
		•			-125	-193	150	3%	-70
•		•			-100	-148	200	4%	-60
	•	•			-75	-103	250	5%	-50
•	•	•			-50	-58	300	6%	-45
			•		-25	-13	350	7%	-40
				•	0	32	400	8%	-35
•			•		25	77	450	9%	-30
	•		•		50	122	500	10%	-25

DIP S2				Output
7	8	9	10	
				0 ... 20 mA
•				4 ... 20 mA
	•			0 ... 10 V
•	•			0 ... 5 V
				<b>Characteristic</b>
				rising
				falling
				<b>Error Message</b>
				signalize
				not signalize

DIP S2						End Value				
1	2	3	4	5	6	°C	°F	Ω	Poti	mV
•						-150	-238	100	10%	-/-
	•					-125	-193	150	15%	-/-
•	•					-100	-148	200	20%	-/-
		•				-75	-103	250	25%	-/-
•		•				-50	-58	300	30%	-/-
	•	•				-25	-13	350	35%	-/-
•	•	•				0	32	400	40%	-/-
			•			25	77	450	45%	-/-
•			•			50	122	500	46%	-/-
	•		•			75	167	550	47%	-/-
				•		100	212	600	48%	100
•	•		•			125	257	650	49%	95
		•	•			150	302	700	50%	90
•		•	•			175	347	750	51%	85
	•	•	•			200	392	800	52%	80
•	•	•	•			225	437	850	53%	75

### Error diagnostic function on output

Characteristic	Error	Output	Underrange	Overrange	Sensor break / invalid setting
rising S2-9 OFF	signalize S2-10 = OFF	0 ... 20 mA 4 ... 20 mA 0 ... 10 V 0 ... 5 V	0 mA 3.8 mA 0 V 0 V	20.5 mA 20.5 mA 10.25 V 5.125 V	22 mA 22 mA 11 V 5.5 V

