

# REDUXI GATEWAY

Reduxi Gateway is a flexible extension for enhanced system integration. It's a versatile module that expands the functionality of the Reduxi system with:

- **Smart Heat Pump Control:** Manages heat pumps via SG Ready contacts with two programmable relay outputs for flexible configurations.
- **Power Monitoring:** Enables precise power data acquisition using current clamps for real-time electrical current monitoring.
- **Protocol Conversion:** Bridges RS485 serial communication with TCP/IP for seamless system integration.
- **Extended Connectivity:** Adds extra RS485 inputs when the Reduxi Controller's capacity is insufficient.
- **Distance Bridging:** Ensures reliable RS485 communication over long distances.



Compact and multifunctional, the Reduxi Gateway is essential for optimizing system performance and connectivity.

	REDUXI GATEWAY
Housing	Compact plastic housing with the option for DIN rail IEC/EN 60715 TH35 attachment.
Dimensions	100 x 100 x 35 mm
Ingress Protection	<IP20
Weight	230g
<b>POWER SUPPLY</b>	
Supply voltage – DC Jack	12 – 24 V DC
Max current at 12 V DC	200 mA
<b>PINS</b>	
Power supply	2-pin DC jack
Ethernet	RJ45 10/100 Mbps (half / full duplex)
RS485	2x 2-pin terminal block
Sensor's input current	3x 3,5mm (CT1, CT2, CT3) 0-1V
Relay outputs	2x DO(NO/COM/NC) – max. 5A
<b>CONNECTIVITY</b>	
Ethernet	10/100 Mbps
Wi-Fi	IEEE 802.11 a/b/g/n/ac, 2.4/5GHz
RS485	2x 921600 BAUD half duplex
<b>OTHER</b>	
Operating temperature range	From 0°C to +40°C
Storage temperature range	From -10°C to +70°C
Relative humidity during operation	< 95% (non-condensing)
Ingress Protection	< IP20

