

# 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.



Options: Gateway without CT sensors, Gateway with CT sensor (15A, 30A, 50A or 100A)

	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
CT sensor's input current	RJ12
Relay outputs	3x 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)

