

Technical specifications



Production description

Product name:	RTU226
Software version:	1.5.9.
Production year:	2017

Technical specifications

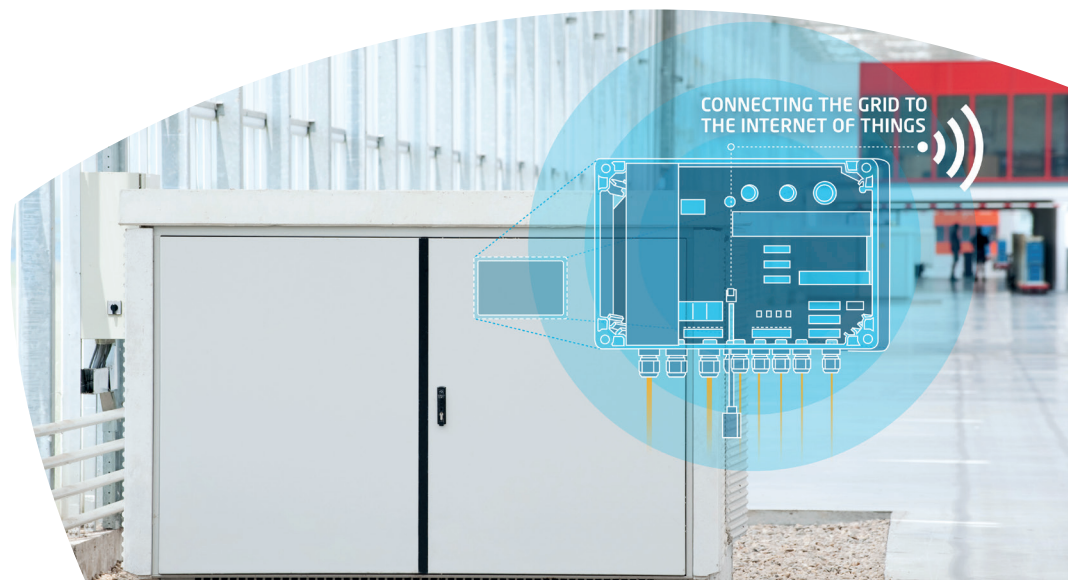
Power supply:	230V/400V 50Hz 1.5A
24VDC (optional):	24VDC \pm 10% 600mA max
Power absorbed:	11W average
Ambient temperature (operational):	-20°C tot +70°C
Relative humidity (operational):	10% tot 95% (not-condensing)
Ambient temperature (warehouse):	0 tot 40 °C
Relative humidity (warehouse):	<80%

Housing

Weight:	2.9 kg
Dimensions (lxbxh):	278 x 188 x 130 mm
Material:	Polycarbonate, Polyamide Ral7035, UL508
Cover:	Transparent
Protection:	IP 44
Impact value:	IK07
Fire class:	LOI 35

Specifications

Processor:	ARM Cortex M4, STM32F427
RAM:	256 kbytes
Program flash:	2 Mbytes
On-board flash:	256 Mbytes
On-board EEPROM:	128 kbytes
Operating system:	FreeRTOS



Status information:	Separate symbols with LED indication
Communication:	Network connection TCP / IP via Ethernet or mobile network Communication protocol: OS3P Json websocket
Modem:	On board Gemalto ELS61-E (4G-CAT1 + 2G) module
2 x MMCX jack	GPRS antenna
1 x SIM card holder	mini-SIM (2FF)
Power Analyser (Internal):	Socomec DIRIS A10
Last Gasp unit:	
Rated voltage:	24VDC
Capacity:	1800mAh
Battery type:	Poly-carbon monofluoride Lithium
Security:	Internal thermal switch and blocking diode
Lithium amount:	4.8g / unit
Compliance:	IEC60086-4
Protocols:	HTTP, HTTPS, WS, WSS, FTP, NTP, MOD-bus, MOD-bus TCP/IP
Display (optional):	HP tablet

External connections

1 x power supply:	230VAC L - N - PE
1 x power supply:	24VDC Alternative to power supply 230VAC
1 x Ethernet (WAN):	RJ45 connector galvanically separated
1 x P1 Smart Meter Connection:	RJ11 connector
1 x RS232 Display:	(SUBD9 to USB)
1 x RS485:	Modbus 1 internal connection power analyzer
1 x RS485:	Modbus 2 connection external modbus IEDs
4 x relay:	Potential free contact 16A max 400VAC
9 x low voltage input:	Potential free contacts (max 24V) 3 x short circuit detection, 1 x access door monitoring 1 x earth fault detection, 4 x reserve
4 x 230VAC input:	4kV galvanically separated

Internal connections

1 x Last Gasp connection:	For optional Last Gasp module
4 x low voltage input:	1 x Cover, 3 x push button optional
1 x USB port:	USB 2.0 Memory
2 x GPRS antenna:	4G-CAT1 + 2G network
1 x SIM stand holder:	4G-CAT1 + 2G network
Integrated sensors:	Temperature for alarm and conditioning battery temperature Light sensor for controlling intensity of LEDs

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