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AMR-DLC
New generation hybrid remote reading modem and load management device

Two-way communication (4G, NB-IoT, LTE CatM, LTE450) integrated with broadcast messaging (RCR)
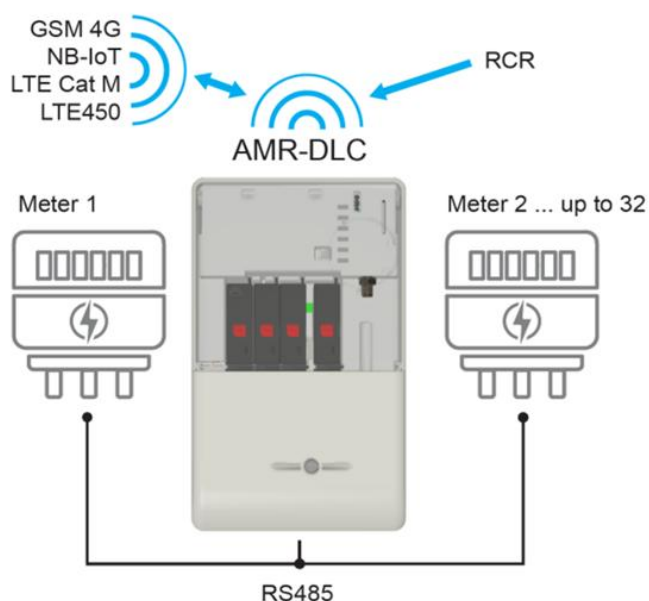
As a transparent modem, our product is suitable for remote reading of electricity, water, gas and heat meters for industrial and home use. Our device can immediately collect and transmit it to the data collection center of the accountants. A wide range of measurement tasks can be solved, and the data can be transmitted to data collection centers via GSM/GPRS connection on all mobile networks operating today. Our unit is also suitable for remote configuration, thereby supporting maintenance as well.

As a remote-controlled switch, it offers electricity providers a solution for tariff and load control via the IEC 60870-5-104 protocol.
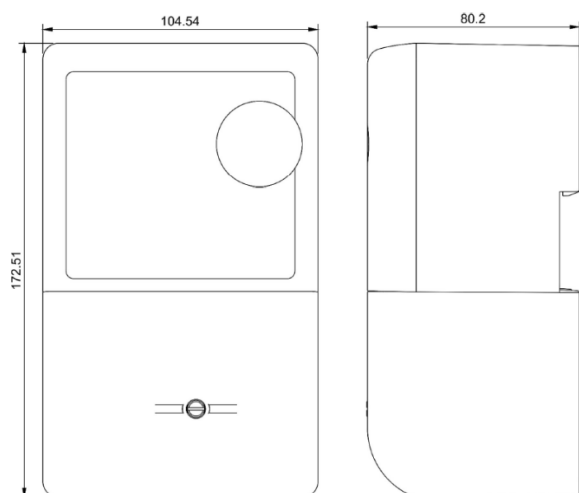

KEY FEATURES

- Cost effective way to manage up to 32 meter and load control relays
- Robust new generation remote reading modem with built-in load control relays
- Two-way communication (4G, NB-IoT, LTE CatM, LTE450) for remote reading and managing of meters
- Broadcast messaging with ripple control receiver module to manage the relays
- Integrated Bank-level encryption technology for the highest level of secure remote communication
- Hungarian development and production
- Possibility to manager and control up to 32 meter with 1 sim card
- The mounting point of the **AMR-DLC** housing is the same as the mounting point of the remote reading modem and ripple control device or can be fixed to DIN mounting rail too

TECHNICAL DATA

Electrical properties	Power supply voltage range	100-230V AC +/- 15%
	Power consumption	< 5W
	Mains frequency	50Hz +/- 2%
	Overvoltage protection	6kV EN61000-4-5
	Insulation	4kV AC 1 min
Interfaces	Serial	RS-485, 2x1.5mm^2
	0/4-20mA Current loop	Active/passive mode 2x1.5mm^2
	S0 pulse input	Active, 15-25V 2x1.5mm^2
	Ethernet	2xRJ45 10/100 Base-T
	Configuration	USB-C connector
Communication	Remote control protocol	IEC 60870-5-104
	FNN-Steuerbox protocol	IEC 61850
Modem	LTE	CAT1
	LTE/450MHz	CAT-M1
	Antenna connector	SMA
	SIM card	2FF Mini SIM
	Supported LTE bands	B1, B3, B7, B8, B20, B28, B31
Outputs	Relay channels and type	1- 4ch, bistable
	Nominal voltage (Uc)	250V AC
	Rated current (Ic)	25A
	Relay contact configuration	Changeover
	Wire Cross section	2,5 mm^2
Mechanical properties	Enclosure	According to DIN 43861-2
	Size	172.51 x 104.54 x 80.2 mm (H/W/D)
	Mounting	3 point or DIN rail
	Protection	Double insulated, IP53
	Flame properties	Flame retardant (EN 62052-31)
	Tamper protection	Terminal cover with safety seal

Dimensions

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