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A130R - Appliance Control Device single Phase PLC Control Switch

TECHNICAL SPECIFICATION

A130R

The single phase Appliance Control Device –A130R allows a very flexible and active Demand Side Management.
The A130R can remotely disconnect the connected loads by a command from the control center. The command is sent from the control center to the nearby concentrator which broadcasts the command to all the A130Rs via power network using PLC (Power Line Communication) interface.
The A130R is designed to be mounted on DIN standard rail (2 DIN width case) in a distribution boards or in a standard cabinet, with protection of at least class IP51 according to IEC 60259.

Features:

- Real two-way "A" band Power Line Communication.
- Remote disconnection/reconnection by command from the control center.
- Automatic disconnection/reconnection according to shading table sent from the concentrator periodically.
- Reconnection by command from the split display unit (Optional).
- Directly energized by power line.
- Small size - 2DIN width - DIN rail mounted.
- Simple and fast installation.

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General	
Nominal Voltage (Un)	230V
Supply Voltage range	80% - 115% Un
Nominal Frequency (fn)	50Hz
Maximum switching current	25A
System connections	1 phase 2 wire
Power consumption	1.2W-8Var
Environmental	
Temperature range	
operation	-10°C to 55°C
storage	-30°C to 70°C
Insulation Strength	
Protective Class acc. to IEC62052-11	Class I I
Communication Interface	
PLC Frequency range	60 -90 kHz – A band
PLC Method	Spread FSK
LED Indicators	
Red light LED	Load turn OFF
Green light LED	Load turn ON
Switching Relay	
Type	Single pole latching relay
Maximum switching current	60A
Maximum switching voltage	250VAC
Mechanical life	100 000 operation minimum
Weight and External Dimensions/Case Protection	
Weight	85 g
Width	36 mm
Height	93 mm
Depth	63mm
Enclosure protection (IEC60529)	IP51
Protection for connection terminals	IP20

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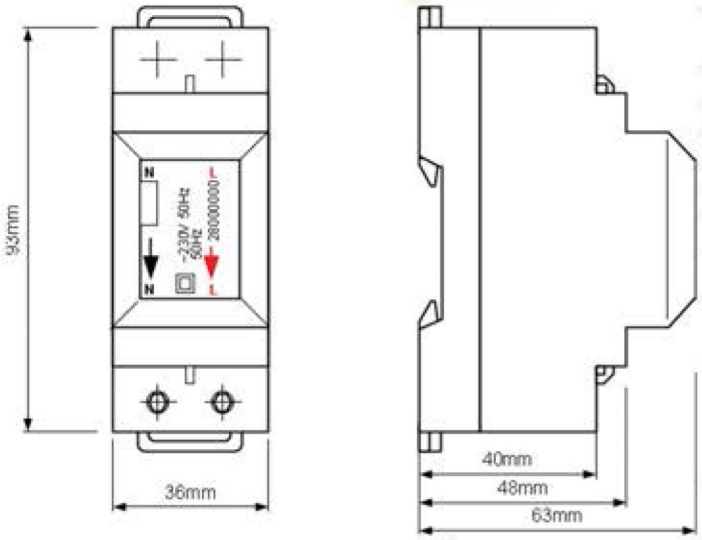

Fig.2. A130R
Dimensions

Connection Diagram

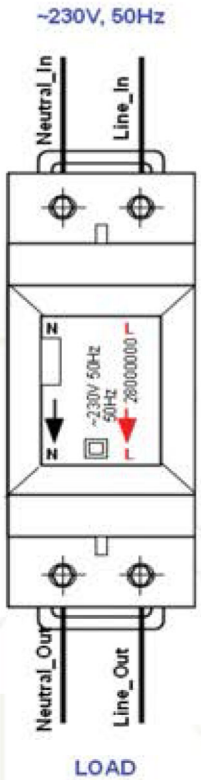

Fig.3. A130R Connection diagram