

Wireless module for the impulse output of an electric meter

Code: JA-150EM-DIN

The module for DIN-rail installation is designed to display electric meter readings, which is available for customers via the MyJablotron Web Self-Service.



Product description:

The module contains a radio transmitter designed for the wireless transfer of information from the electric meter via the control panel to the MyJablotron portal. The impulse converter is directly supplied from the mains and it contains galvanically separated circuits for 4 kV. The converter is designed for connection to a standard impulse output of an SO electric meter. It can distinguish two rates (it can be connected to the rate control line of the load management system). It also has an independent input that can be used e.g. to monitor opening of the switchboard cover.

Technical information:

Power	230V/50 Hz, protection class II.
Power consumption typical/maximum	approx. 0.5 W /1.2 W (230 V AC)
Maximum current consumption	10 mA
Communication band	868.1 MHz, Jablotron protocol
Radio communication module	TRX-30
Antenna	Internal with a possibility to connect external antenna type AN-868
IN input	low voltage, galvanically separated from mains, operating voltage 5 V, maximum external overvoltage 30 V DC, maximum connection cable length 3 m.
PU input	low voltage, galvanically separated from mains, operating voltage 5 V, maximum external overvoltage 30 V DC, maximum connection length 3 m, compatible with an impulse SO output of class B electricity meters according to EN 62053-31
TA input	remote tariffing input maximum 230 V AC
Dimensions	68 x 96 x 18 mm, 1 DIN module
Operational environment	general outdoor -20 to +60 °C

IP covering

front panel IP40 according to EN 60529

Can be operated to

ERC REC 70-03

Complies with

ETSI EN 300 220-1, EN 50130-4, EN 55022, EN 60950-1
