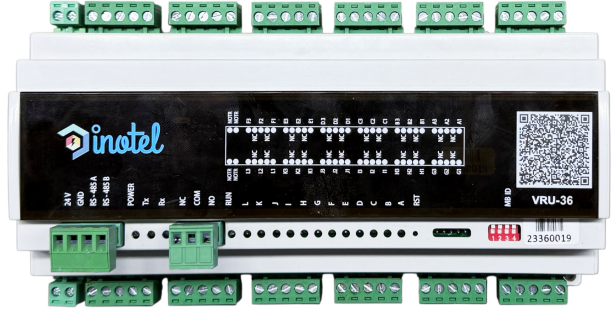


OUTAGE MONITORING UNIT

VRU-36

VRU-36 is a cost-effective and user-friendly monitoring device that samples mains voltage at regular intervals and provides voltage presence/absence status for up to 36 channels. It supports communication with RTU, PLC, and PC systems via the MODBUS protocol and reliably transmits measurement data.

In SCADA systems, the voltage status of up to 36 different channels can be monitored simultaneously using a single VRU-36 unit. This configuration enables data transmission to control units such as RTUs or PLCs through a single communication line. As a result, it eliminates the need for expensive analog modules and significantly reduces system hardware costs.



GENERAL

Supply Voltage	18 - 36Vdc (isolated)
Voltage Withstand	1000V
Voltage Measurement	0 - 500Vrms
Operating Current	70 mA
Power Consumption	≤ 1920 mW
Measurement Accuracy	2 %
Operating Temperature	-25°C...+60°C
Storage Temperature	-30°C...+70°C
Assembly	DIN Rail

CONNECTION INTERFACES

RS485	1 port (galvanic isolation)
Relay Output	1 port
Analog Input	12 x 3 port (0 - 500 Vrms voltage measurement)

DIMENSIONS

Height x Width x Depth	90 x 212 x 59mm
Weight	425 gr

FUNCTIONS

Phase - Neutral voltage measurement
Phase - Phase voltage measurement
Data transmission via RS-485 port
Manual MODBUS ID configuration via Dip Switch
Relay and LED warning when the voltage level falls below the configured threshold value
Power and communication status indication via LED
Reverse supply protection

AREAS OF USE

Solar Power Plants
Industrial Facilities
Wind Turbines
Hydroelectric Power Plants

