

DATASHEET



Features

- Monitoring / alerting / data collecting / analyzing / diagnosing
- Universal application at low cost
- Monitoring up to 128 Modbus RTU / TCP devices
- Web based software included
- Do-it-yourself - easy configuration
- Individual Dashboard creation
- Extract filters for data to Excel or csv files
- Individual alert or event settings with email notifications
- Real time clock with 30 days battery backup
- Dual power input
- 5GB internal data storage / 128GB external
- Compact design with optional DIN rail adapter
- WiFi connection, Bluetooth optional
- Custom features or functions on request

Technical Specification

Supply Specifications

Supply voltage	12-24V DC (polarity protection)
Back-up supply voltage	5V DC
Power consumption max	3W (12W max)

Environmental Specifications

Temperature	Operation	-20 °C to 50 °C
	Storage	-40 °C to 85 °C
Humidity (at 35 °C)	90 % (non-condensing)	

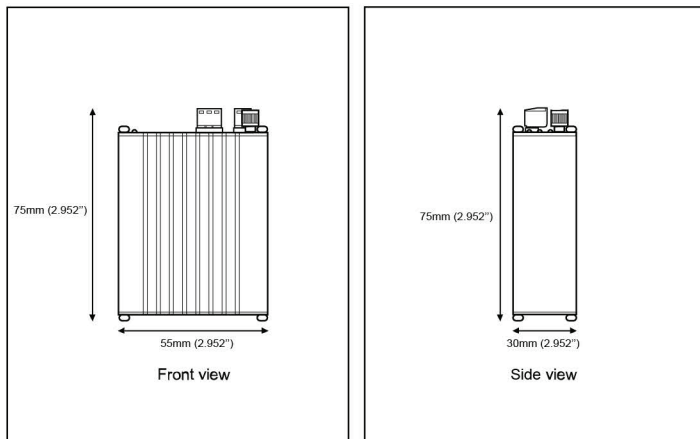
Mechanical Specifications

Housing	Aluminium
Weight	130g
Protection	IP20

Optional Specifications

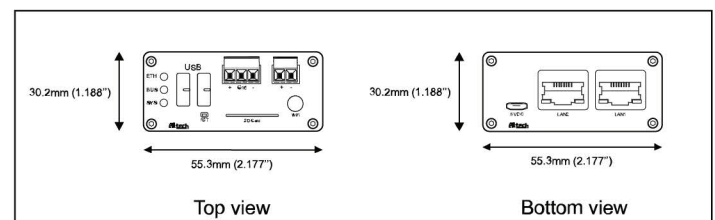
Version	Freestanding or DIN rail mount
Configuration	Via built-in Web Interface

Dimensions



Terminal Connection

Interfaces	1x RJ45 10/100 Ethernet (LAN1)
	1x RJ45 10/100/1000 Ethernet (LAN2) (LAN1 & LAN2 can be set in switch or 2port mode)
	1x WiFi 802.11 b/g/n with antenna
	2x 2.0 USB A (total current draw max. 1.5A)
	1x microSD card 1x MODBUS (Master)
Connectors	2pole 3.5mm PCB plug, for main supply 12-24V DC
	USB Micro plug, for back-up supply 5V DC
	3pole 3.5mm PCB plug, for MODBUS RTU



Functional Specifications

Communication protocol	RS485 - Modbus RTU / TCP
Memory	Data: 5 GB - internal
	MicroSD card: up to 128GB
Memory retention	Unlimited
RTC	Yes, with 30 days battery back-up

Ordering Information

Product code	Description
DO-1	Freestanding version
DO-1-DR	DIN rail mount version