

RTU SERIES

AFM1100

REMOTE TERMINAL UNIT



PLC

IO EXPANSION

SMS FUNCTIONS

AFM1100 can send SMS messages when digital input state changes over GSM via GRC32x devices. On-Off state message content settings can be changed using the setup application.

AFM1100 CAN BE USED AS AN IO EXPANDER WITH GRC32X GSM GATEWAYS OVER RS485 INTERFACE. IN THIS TOPOLOGY TOTALLY 16 DIGITAL AND 4 ANALOG 4-20MA AND 0-10V INPUTS CAN BE USED.

Digital and analog inputs can be monitored using AFM1100 along with PLC function implementations based on FBD. Communication protocol is standart Modbus RTU so that almost every SCADA software can poll the device.

MODBUS RTU

RS232/485

10 BITS RESOLUTION

FEATURES

INPUT OUTPUT

- DIGITAL INPUTS (x4) OPTICALLY ISOLATED
- DIGITAL OUTPUTS (x4) DRY CONTACT(400mA)
- 0-20mA INPUT (x1)
- 0-10V INPUT (x1)
- 16 BIT COUNTERTS FOR DIGITAL INPUTS

SERIAL PORT

- RS232
- RS485 (HALF DUPLEX) TR INCLUDED

SMS

- SEND SMS OVER GRC32x DEVICES
- UP TO 10 TELEPHONE NUMBERS
- DIGITAL OUTPUT CONTROL VIA SMS
- SMS ASSIGN FOR DIGITAL INPUTS
- SMS ASSIGN FOR ANALOG INPUTS
- ON AND OFF STATE MESSAGES
- INPUTS ASSIGNED TO PHONES INDEPENDENTLY

SERIAL SPEED

- 300 bps - 115200 bps

PLC FUNCTIONS

- AND,OR,XOR,XNOR,NAND,NOR
- TIMER,COMPARE,SCALE
- SETREGISER

MODBUS RTU

- READ HOLDING REGISTERS(FC:3)
- PRESET MULTIPLE REGISTERS(FC:16)
- MOSBUS PACKET SIZE 256 BYTES

SUPPLY VOLTAGE

- 6,5 - 28V DC

OPERATING TEMP.

- -40 - +85 °C

KEY BENEFITS

- Industry standard Modbus communication.
- Up to 256 devices connected on the RS485 bus.
- I/O monitoring and PLC functions are implemented in one device to reduce the overall cost.
- Additional I/O may be used to control several inputs/outputs on the field.
- Firmware can be updated from serial port.
- With GRC32x devices remote monitoring application can be implemented.
- SMS monitoring and control with using GRC32x devices.
- Up to 10 telephone numbers can be used for SMS applications.