IIOT Cloud Solution
Intelligent Starter Kit by App(i OS/ Android)
EX9033M/EX9017M/EX9018M+EX9486CW-MTCP+APP(i OS/ Android)+EX Cloud
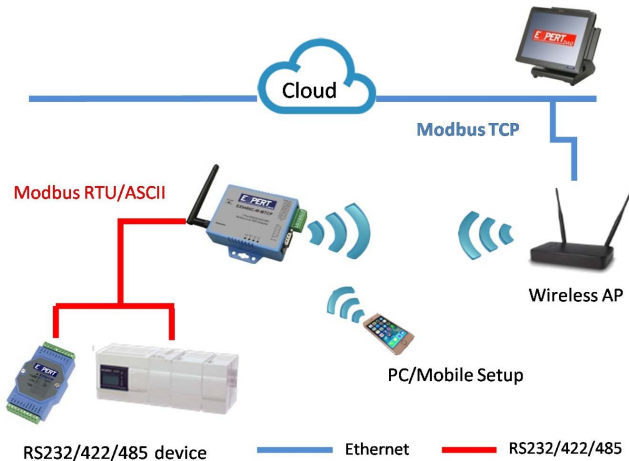Sensor type: RTD(Pt; Ni ;Cu)/±20Ma;4~20mA;10V.../J;K;T;...

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IIOT Cloud Solution

Intelligent Starter Kit by App(i OS/ Android)

Applications of ModbusTCP(master) to Modbus RTU/ASCII(slave)

Support 8 TCP Masters simultaneously

Cloud
Modbus TCP
Modbus RTU/ASCII
Wireless AP
PC/Mobile Setup
RS232/422/485 device
Ethernet
RS232/422/485

EX9033-M/9017-M/9018-M

(RS485; RTD(Pt/ Ni/ Cu); 2Wire; Modbus RTU)

(RS485; +/-20mA; +/-10V; +/-100mV; 2Wire; Modbus RTU)

(RS485; Sensor type: J/ K/ T/ E/ R/ S/ B/ N Thermocouple; 2Wire; Modbus RTU)

Data send/receive can get from App & Cloud Server via Wi-Fi & RS485 bus for monitoring and controlling

EX9486C-W-MTCP

(Wi-Fi Modbus TCP)
Modbus RTU Slave to Modbus TCP Master

Features

Let User can easy to install the Remote I/O Controller in the Harsh environment .

The Remote I/O Controller was one of engineering level devices.

Now we make User easy to install & control I/O by App

Application

For RTD (Pt/ Ni/Cu) Sensor Type between -200 ~ +600 degree Celsius by App control thru Wi-Fi & RS485 bus of EX9033-M:

For Liquid/ Gas/ Small Flow Meter/ Gas Detector or Infrared Temp. / Level Transmitter/ Level

Sensor/ Pressure Transmitter/ Pressure Switch/ Differential Pressure Transmitter/Temperature/ Humidity

/Pyrano meter/ UV Detector by App control thru Wi-Fi & RS485 bus of EX9017-M:

For Sensor type: J/ K/ T/ E/ R/ S/ B/ N Thermocouple between -270 ~ +1820 degree Celsius by App control thru Wi-Fi & RS485 of EX9018-M:

Functions of Starter Kit's App(Data Sampling Rate: 2 ~ 5 minutes for selection)

１. Setting/ Configuring the range of Temperature Value of RTD(Pt/ Ni/ Cu) Sensor Type meet environment required by App.

１.1 Setting/ Configuring the range of Value of 4~ 20 mA; +/-10V; +/-100mV ("Setting Value" +/ - ?%) to meet environment required by APP.

１.2 Setting/ Configuring the range of Temperature Value of J/ K/ T/ E/ R/ S/ B/ N Sensor Type to meet environment required By APP.

2. If it Higher than the Setting Vale then enable the User to e-mail out to Supervisor by App or receive the e-mail from the existed environment by Cloud Server.

3. If it Lower than the Setting Vale then enable the User to e-mail out to Supervisor by App or receive the e-mail from the existed environment by Cloud Server.

4. When read the Value between Setting Value then record it every time within 24Hrs .

5. Average and Record the read Value after 24Hrs

Also User will receive the e-mail with all every times of reading data after 24Hrs

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Sensor type: RTD(Pt; Ni ;Cu)/±20Ma;4~20mA;10V.../J;K;T;...

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Functions of Expandable Starter Kit's App

Users can select EX9065D-M to output control the Alam warning or turn-off the Switch/ Valve/ Breaker for Safty situation during the Sensors sense the value Higher/ Lower the setting value

Functionality Expandable to Management by App(i OS/ Android):

We also support Management Service of the Cloud for Data Storage/ Analysis/
Real Time/ Monitoring/.....in OEM/ ODM Industry field Business

Relative Information:

Wire Connection of EX9033-M & EX9486C-W-MTCP ref. the Quick Manual of Starter Kit .
Wire Connection of EX9017-M & EX9486C-W-MTCP ref. the Quick Manual of Starter Kit
Wire Connection of EX9018-M & EX9486C-W-MTCP ref. the Quick Manual of Starter Kit

Default setting of EX9033-M: Baud Rate: 9600bps ; CheckSum: Non; 8, N , 1; Address: 1; Modbus Mode;
Type: Pt (-100 ~ +100 degree Celsius) please ref. the individual Manual of EX9033-M series.
of EX9017-M: Baud Rate: 9600bps ; CheckSum: Non; 8, N , 1; Address: 1; Modbus Mode;
Type: I (Current: mA) please ref. the individual Manual of EX9017-M series.
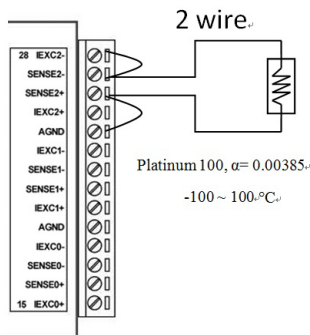of EX9018-M: Baud Rate: 9600bps ; CheckSum: Non; 8, N , 1; Address: 1; Modbus Mode;
Type: K (-270 ~ +1372 degree Celsius) please ref. the individual Manual of EX9018-M series

Default Setting of EX9486-MTCP: Router IP Setting & Cloud Server Setting ... ref Manual of EX9486CW-MTCP
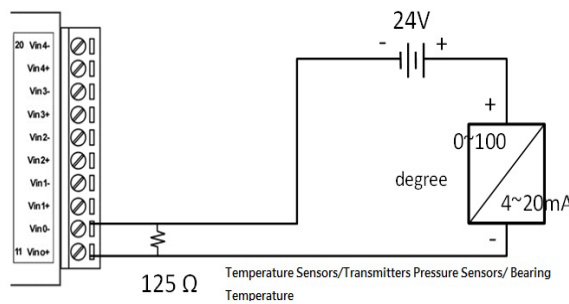
Sensor Spec. & Type. : Also ref. the Manual of Starter Kit for Sensor Spec. & Type
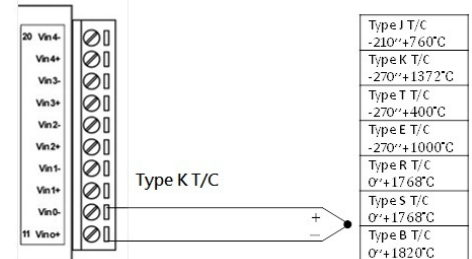
Wire Connection of EX9033M/ 9017M/ 9018M as follows :

(EX-9033-M)Channel 0 and Channel 1 wiring same as Channel 2

(EX-9017-M)Channel 1 to Channel 7 wiring same as Channel 0

(EX-9018-M)Channel 1 to Channel 7 wiring same as Channel 0

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RS485 Konverter • RS485 Repeater
Feldbus RS485 Remote IO • Modbus RTU IO
Industrie PC • Touch Panel PC • Bedienterminal
Embedded Systems • Industrie Monitor