M. B. Control & Systems Pvt. Ltd.
CIN : U67120WB1980PTC033012 | PAN : AABCM7980K | GST NO. : 19AABCM7980K1ZU
Registered & Corporate Office
Srijan Industrial Logistics Park, Part - A, Block -B, 3rd Floor, Howrah 711302, WB, India
+91 98313 30473, 98312 06454 | +91 033 2287 0445 | enquiry@mbcontrol.com | www.mbcontrol.com
Innovative Electronics For You
NABCB QM 004, EM 016
ISO 9001 : 2015 IND/QMS/NAB-C1978/2658

MB Control & Systems Pvt. Ltd

MB Config User Manual

Version 1.2

Hardware needed:

1. Sensor Interface Cable
2. 12VDC Power Supply
3. USB to RS-485 Converter
4. Computer/Laptop with MB Config software and USB-RS485 converter
5.

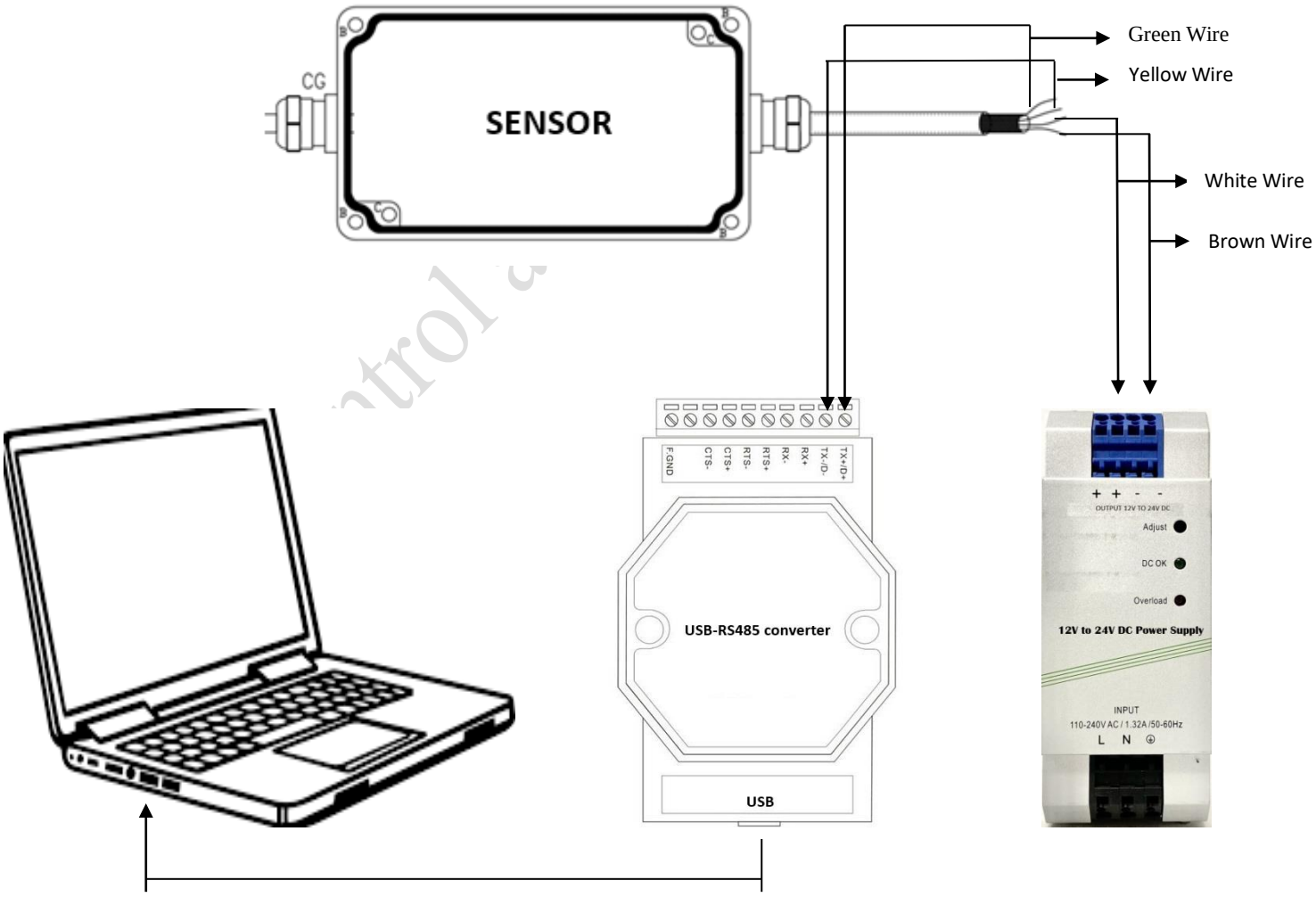
Connect Sensor with 12VDC Power Supply and USB-RS485 converter:

1. White Wire connect with 12VDC Power Supply (+V) point
2. Brown Wire connect with 12VDC Power Supply (-V) point
3. Green Wire connect with USB-RS485 converter (+D) point
4. Yellow Wire connect with USB-RS485 converter (-D) point

Connector Pin Number	Wire Color	Connection to PCB Points
1	White Wire	+V
2	Green Wire	RS-485 D+
3	Yellow Wire	RS-485 D-
4	Brown Wire	-V

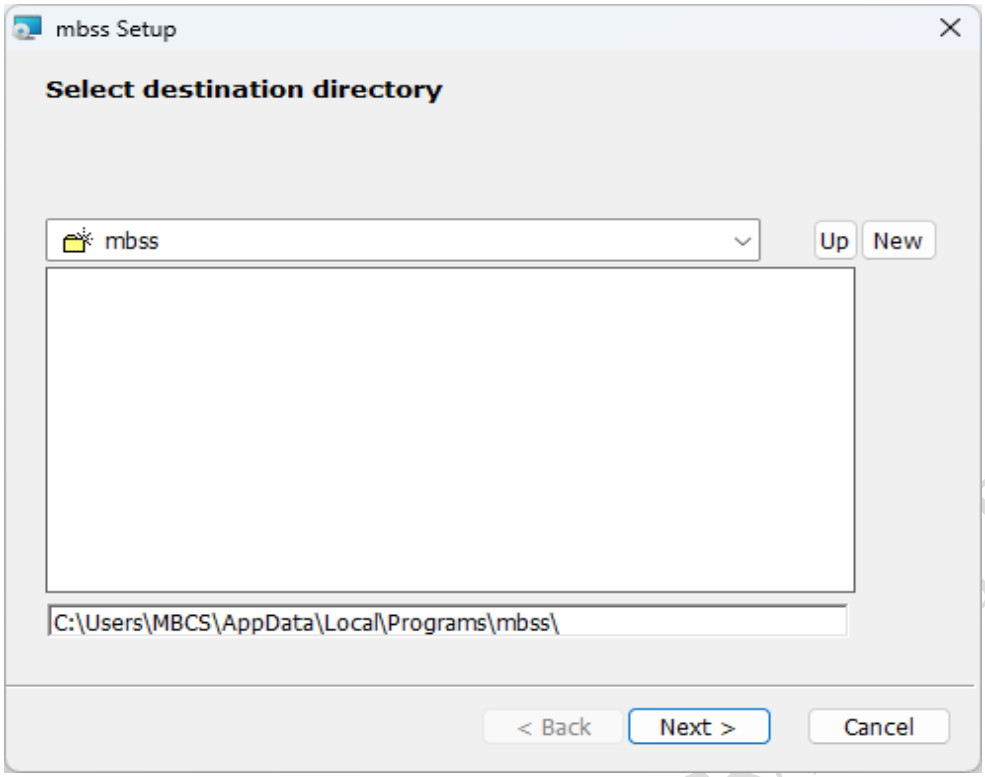
Sensor Connector details

Then USB-RS485 Converter Connect with Computer/Laptop. Check below picture demo complete connection

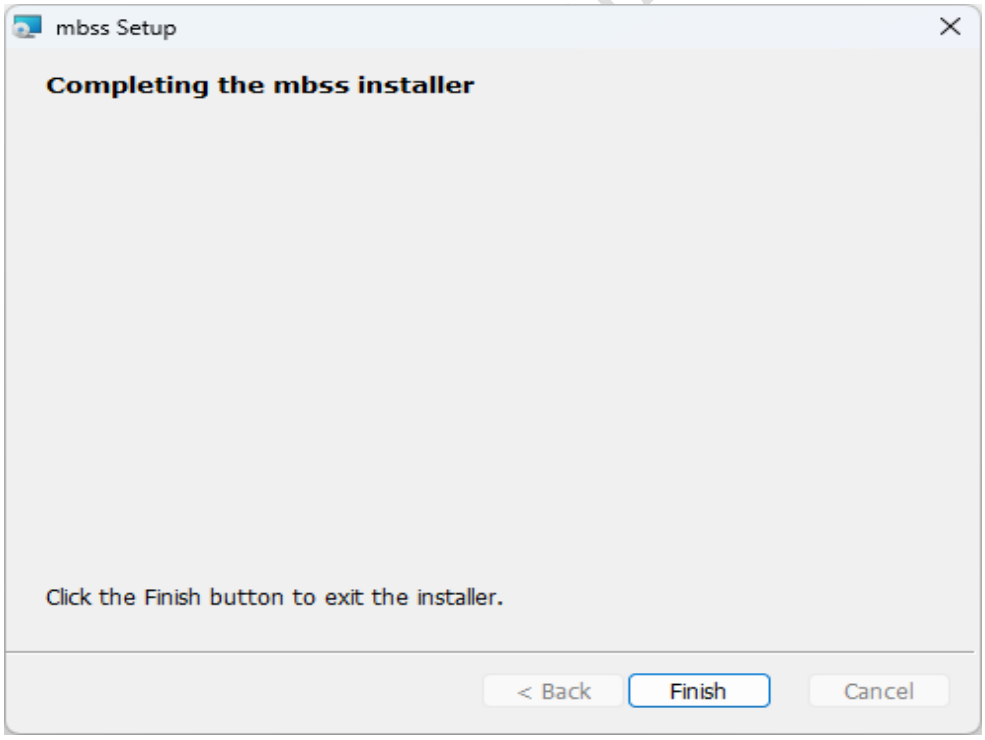


Installation:

Double click on installation file (mbssc-1.2-win64.msi) open below windows click to next button



After click next button installation process progress and after some time open below windows click finish button



After Finish MBSSC desktop icon generated and show at desktop below the icon picture

Now double click on MBSSC icon and open below windows

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MB Config
Select Comport
Select Model
Auto Scan
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Providing Electrical & Industrial Automation solutions since 1983
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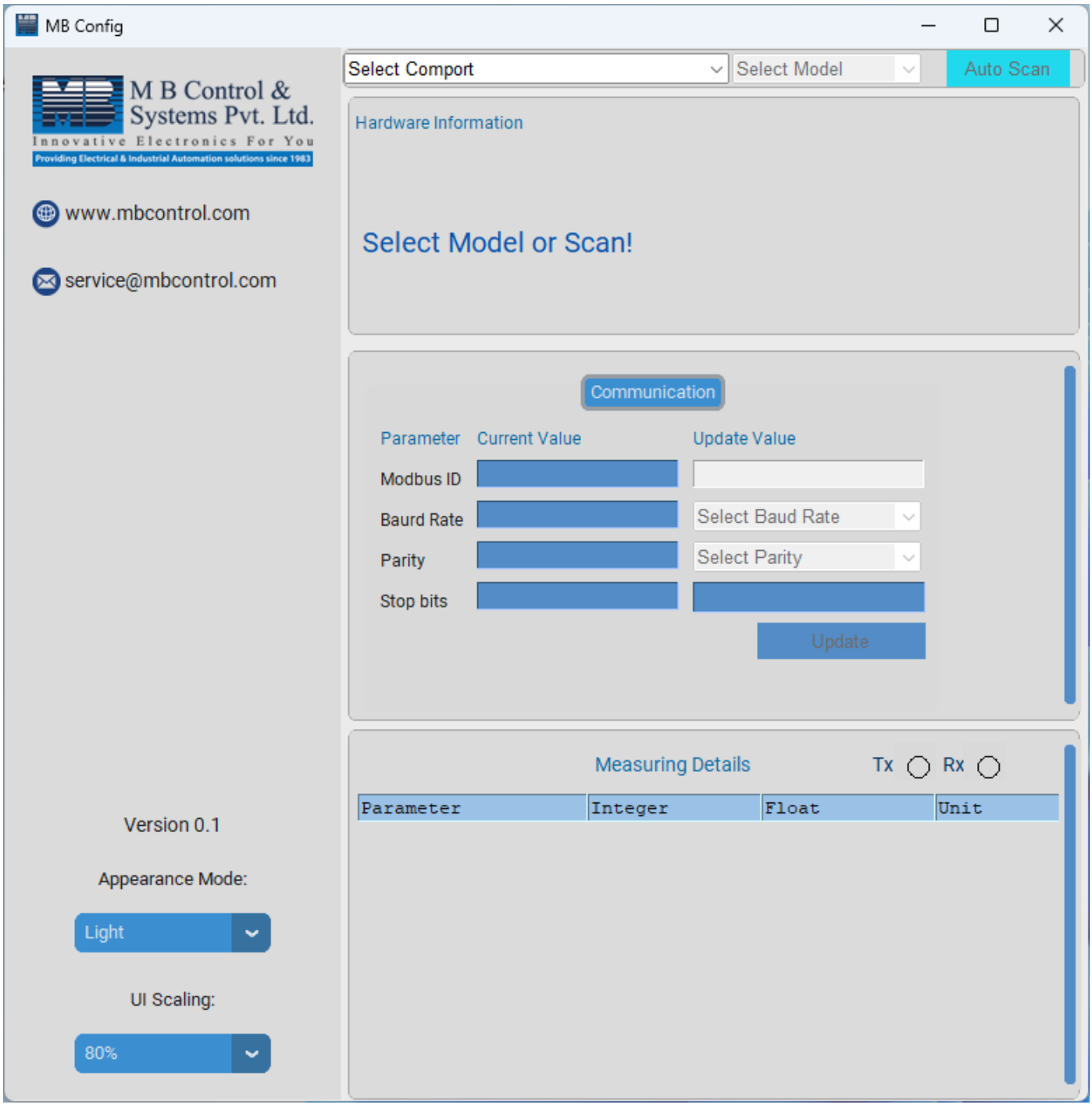
service@mbcontrol.com
Hardware Information
Select Model or Scan!
Communication
Parameter
Current Value
Update Value
Modbus ID
Baurd Rate
Select Baud Rate
Parity
Select Parity
Stop bits
Update
Measuring Details
Tx
Rx
Parameter
Integer
Float
Unit
Version 0.1
Appearance Mode:
Light
UI Scaling:
80%

MB

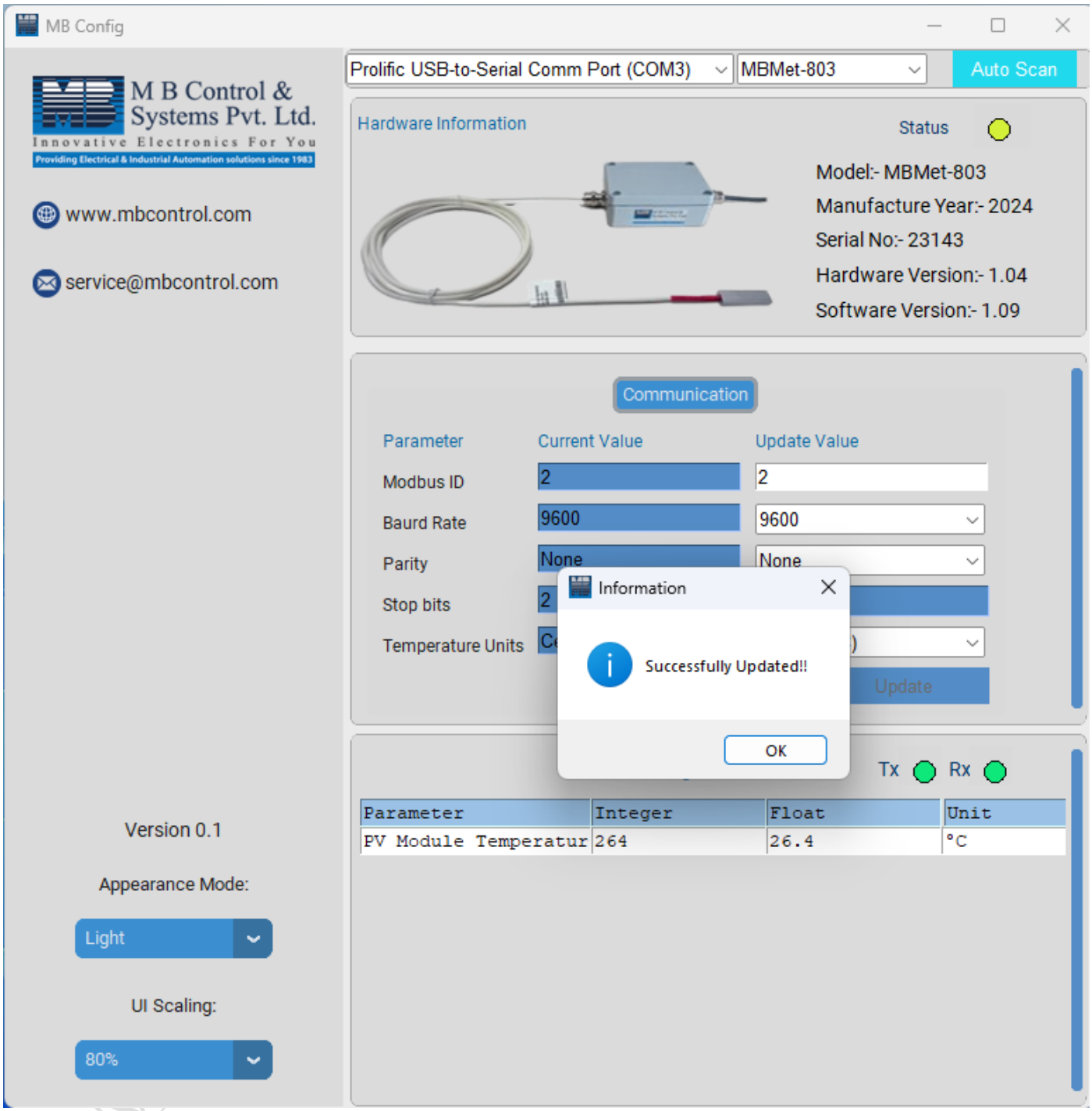
There are two option communicating the sensor Auto Scan and Select Model Before it mandatory to select comport first then active this two option.
If use Select Model then show the below screen and select model which connected your PC or Auto Scan.



After Auto Scan or Select Model show the below screen.

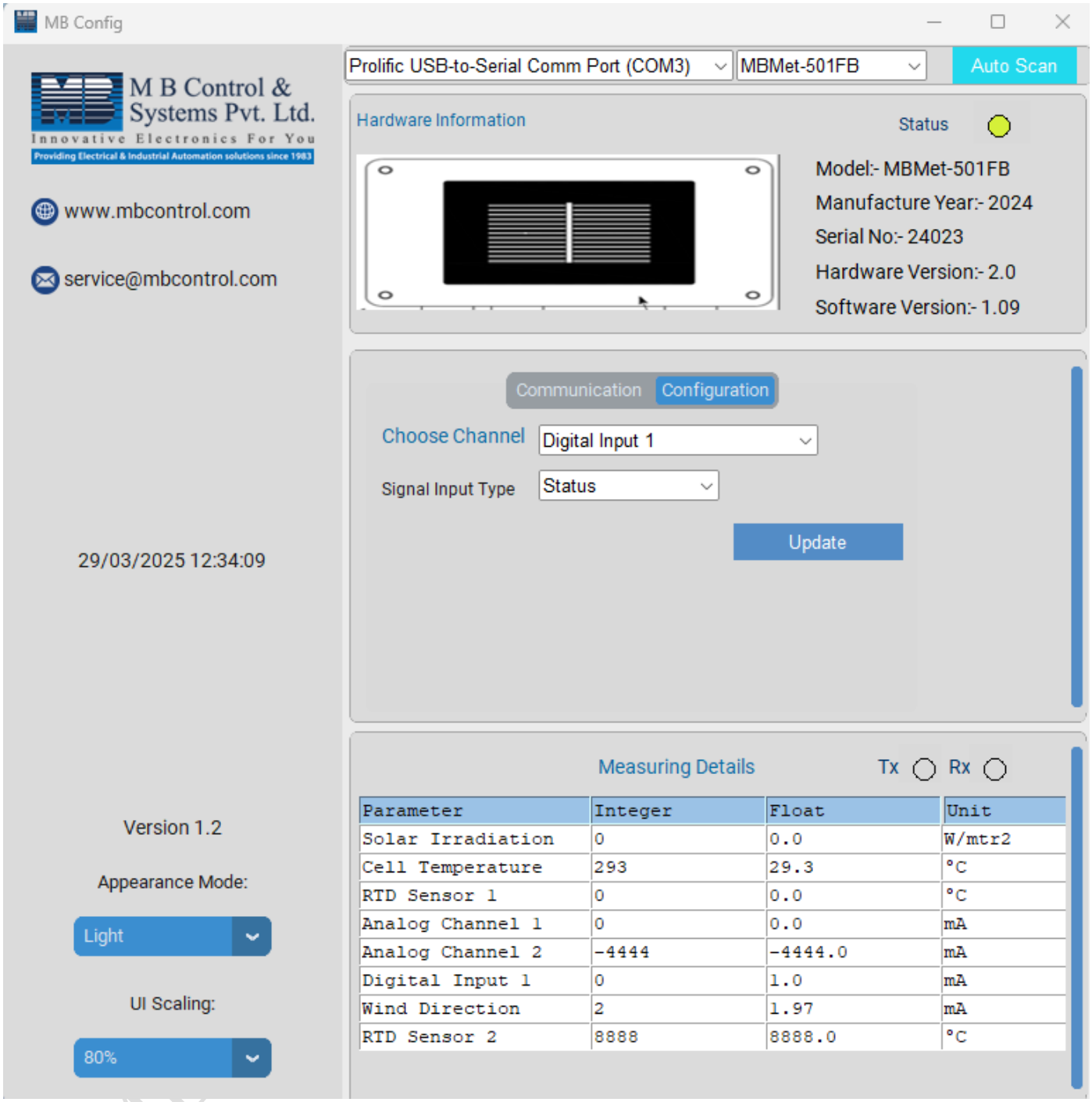
Now Update Communication parameter like Modbus ID 1 replace to 2

Then click update button show popup window Successfully Updated below the screen then click ok

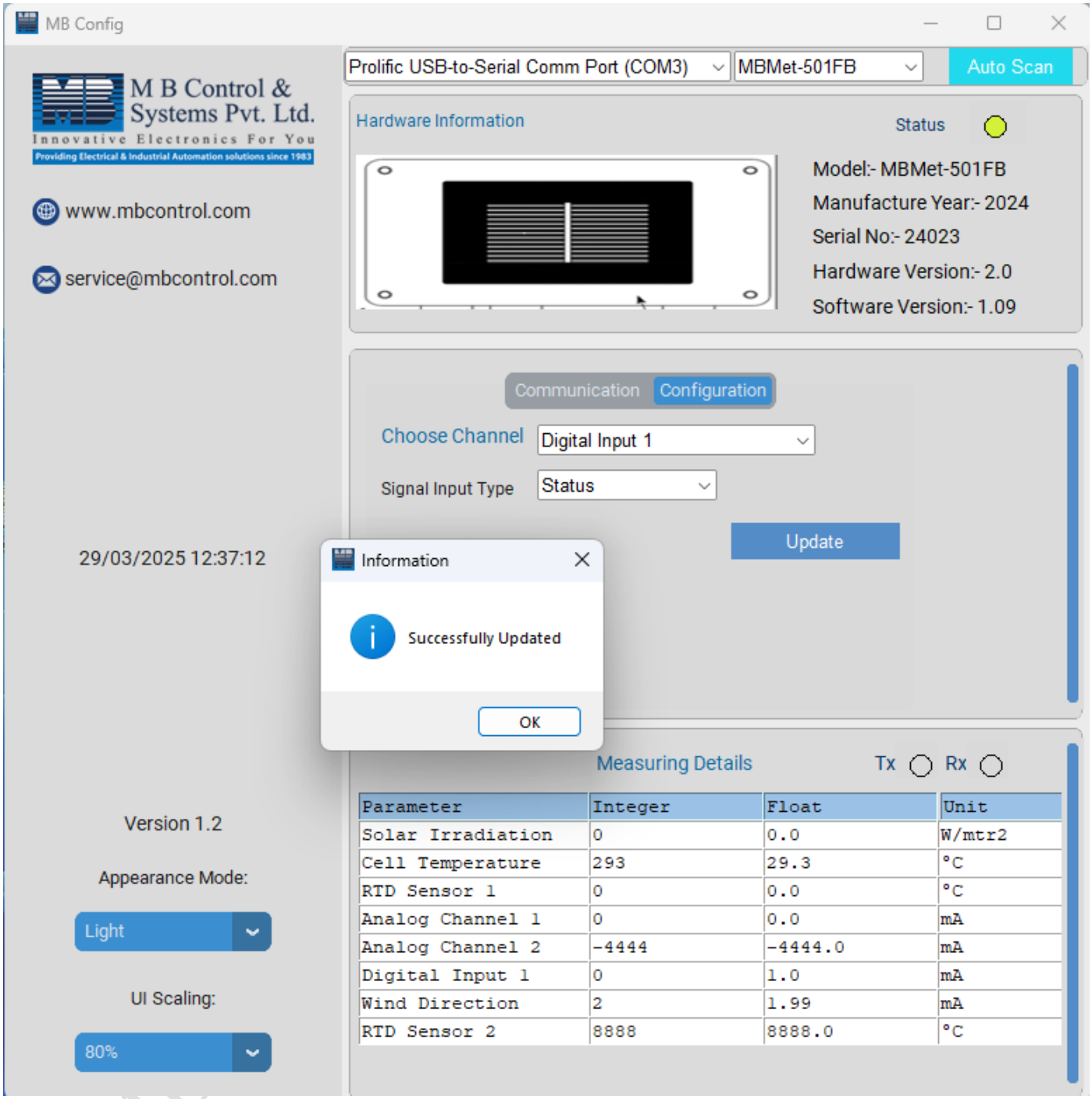


Configuration Setting:

Choose Channel which want configure in dropdown list:



After set the value and click update button and show successfully updated message box:


MB Config
M B Control & Systems Pvt. Ltd.
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www.mbcontrol.com
service@mbcontrol.com
Prolific USB-to-Serial Comm Port (COM3)
MBMet-501FB
Auto Scan
Hardware Information
Status
Model:- MBMet-501FB
Manufacture Year:- 2024
Serial No:- 24023
Hardware Version:- 2.0
Software Version:- 1.09
Communication
Configuration
Choose Channel
Digital Input 1
Signal Input Type
Status
Update
29/03/2025 12:37:12
Information
Successfully Updated
OK
Measuring Details
Tx
Rx
Parameter
Integer
Float
Unit
Solar Irradiation
0
0.0
W/mtr2
Cell Temperature
293
29.3
°C
RTD Sensor 1
0
0.0
°C
Analog Channel 1
0
0.0
mA
Analog Channel 2
-4444
-4444.0
mA
Digital Input 1
0
1.0
mA
Wind Direction
2
1.99
mA
RTD Sensor 2
8888
8888.0
°C
Version 1.2
Appearance Mode:
Light
UI Scaling:
80%