CMM366-WIFI

CLOUD MONITORING COMMUNICATION MODULE

USER MANUAL

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3 SPECIFICATION

Items	Contents
Operating Voltage	DC 8.0V~35.0V, continuous power supply.
Power Consumption	Standby: ≤2W Working: ≤5W
Digital Input Ports	Volts free digital input
Digital Output Ports	1A DC30V Volts free output
USB Host	A-type USB female port
RS485	Seclusion type
RS232	General type
LINK	SmartGen exclusive port
USB Device	B-type USB female port
WIFI	IPX antenna Support 802.11b/g/n standard
Case Dimensions	73mmx105mmx35mm
Working Conditions	Temperature: (-25～+70)°C Humidity: (20～93)%RH
Storage Condition	Temperature: (-25～+80)°C
Weight	0.15kg

4 PANEL AND TERMINAL DESCRIPTION

4.1 PANEL INDICATOR AND BUTTONS

Icon	Note
POWER/ALARM	Green LED Light: Power supply normal and connect to cloud server successfully. Red LED Light: Common alarm indicator
RS485(Red)	Normally Off State: RS485 disabled Normally Light: Communication fail Blink: Communication normal
USB(Red)	Normally Off State: USB(Host) disabled Normally Light: Communication fail Blink: Communication normal
WIFI(Red)	Off State: CMM366-WIFI login with server unsuccessfully Light: Login with server successfully Blink: Real-time communication normal
LINK(Red)	Normally Off State: Disabled Normally Light: Communication fail Blink: Communication normal
RS232(Red)	Normally Off State: RS232 disabled Normally Light: Communication fail Blink: Communication normal

Lamp test/Rest:

Press this button for 1s, all the LEDs are illuminated; press for 10s, reset the module to default and all the LEDs blink for 3 times.

Note: After reset the module, set up the parameters via PC software is recommended. Please operate cautiously.

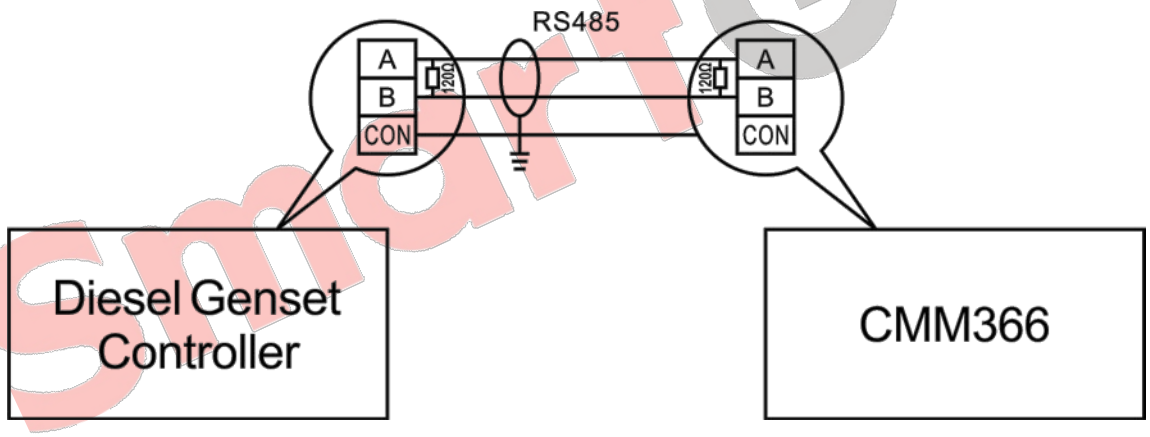
4.2 WIFI ANTENNA INTERFACE

Connect WIFI antenna to the antenna interface of cloud monitoring communication module shown as follow:

4.3 RS485

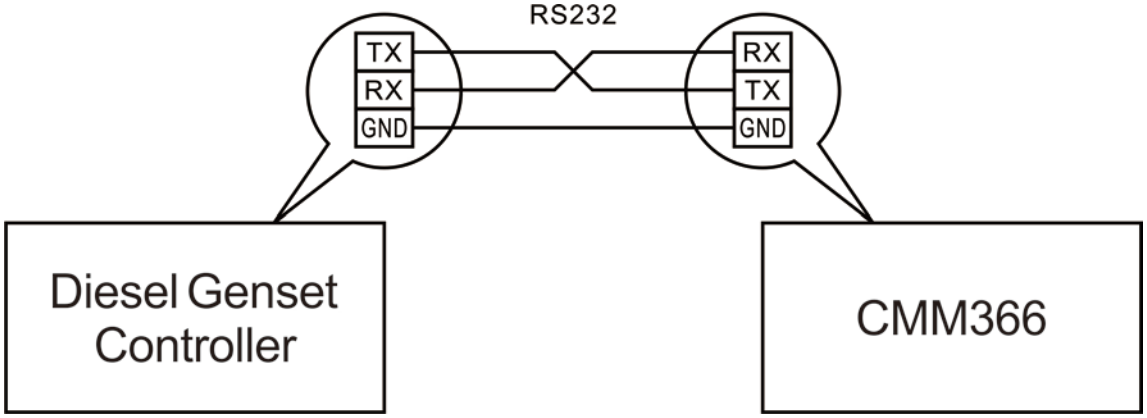
Connect with genset controller via RS485 to receive genset data information.

If communication is abnormal, 120Ω terminal resistance is recommonded. One end of shield wire hangs in the air and the other one connects with SCR.



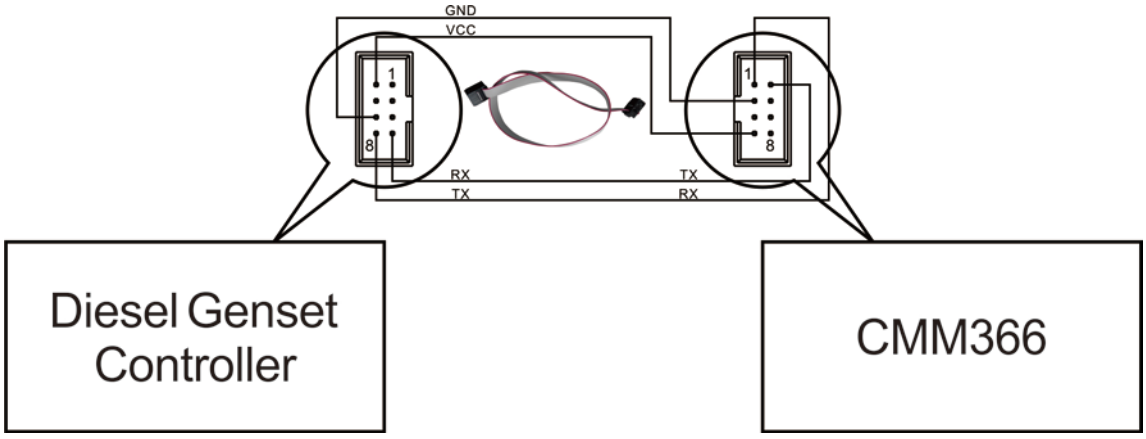
4.4 RS232

Connect with genset controller via RS232 to receive genset data information.



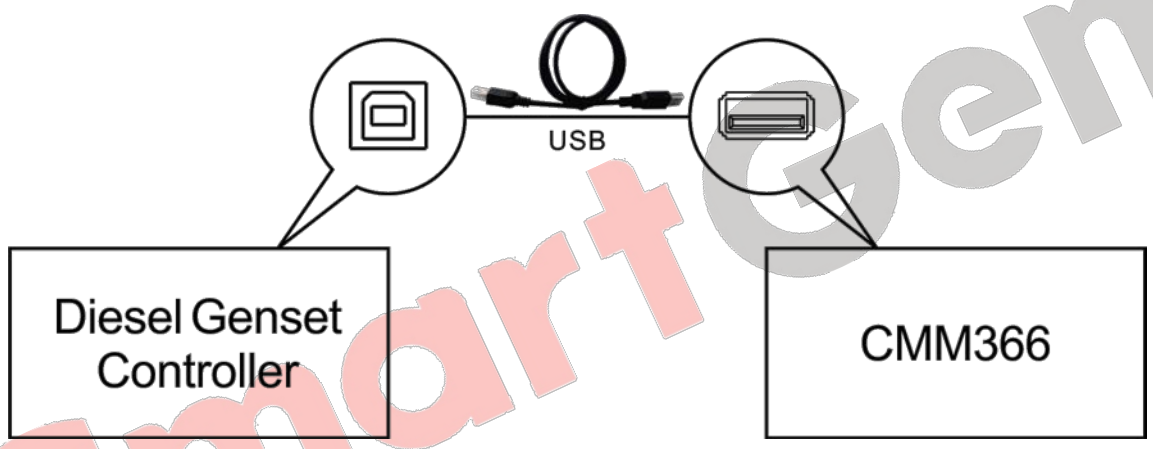
4.5 LINK

Connect with genset controller via LINK to receive genset data information.



4.6 USB HOST

Connect with genset controller via CMM366 A-type USB mother port and USB data cable to receive genset data information.



4.7 USB DEVICE

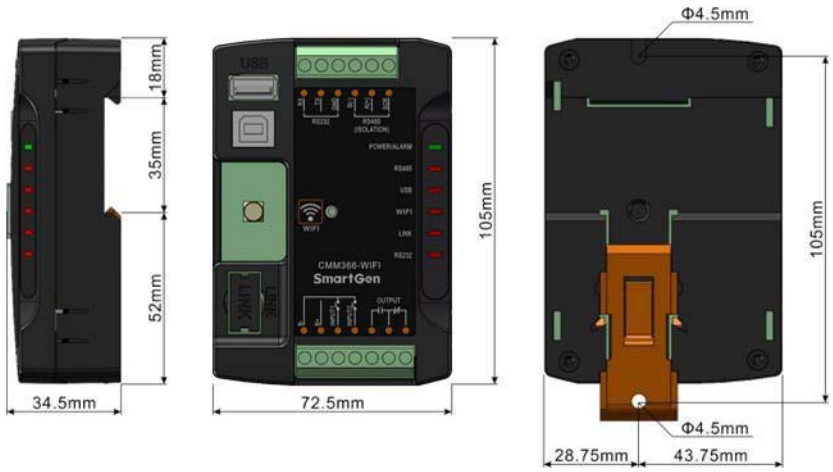
Connect with PC via USB port to set up all the parameters and view CMM366-WIFI ID&Login password.

4.8 TERMINAL

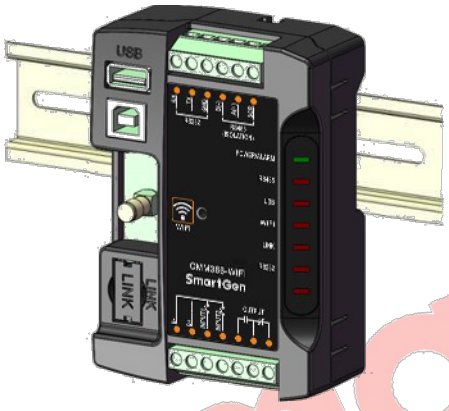
No.	Function		Cable Size	Note
1	B-		1.0mm^2	Connected with negative of starter battery.
2	B+		1.0mm^2	Connected with positive of starter battery. 3A fuse is recommended.
3	Aux. Input 1		1.0mm^2	Active when connect to B-.
4	Aux. Input 2		1.0mm^2	Active when connect to B-.
5	Aux. Output	Normally Open	1.0mm^2	Normally open outputs, rated 1A DC30V
6		Common	1.0mm^2	
7		Normally Close	1.0mm^2	
8	RS232 RX		0.5mm^2	RS232
9	RS232 TX		0.5mm^2	
10	RS232 GND		0.5mm^2	
11	RS485 B(-)		0.5mm^2	Impedance-120Ω shielding wire is recommended, its single-end earthed.
12	RS485 A(+)		0.5mm^2	
13	SCR		0.5mm^2	

7 CASE DIMENSION AND INSTALLATION

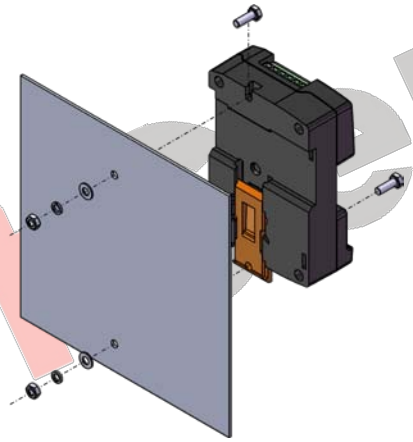
2 ways for installation: 35mm guide rail in box or screw (M4) installation as below:



CMM366-WIFI Case Dimension



CMM366-WIFI Guide Rail Installation



CMM366-WIFI Screw Installation

8 FAULT FINDING

Symptoms	Possible Solutions
Controller no response with power.	Check power voltage; Check controller connection wirings.
Network Indicator Not Light	Check Ethernet parameters setting is correct or not; Check network plug indicator is blinking or not; Check cable is normal or not.
RS485 Communication Abnormal	Check connections; Check RS485 port is enabled or not; Check settings of genset ID and baud rate are correct or not. Check RS485's connections of A and B is reverse connect or not.
RS232 Communication Abnormal	Check connections; Check RS232 port is enabled or not; Check settings of genset ID and baud rate are correct or not.
LINK Communication Abnormal	Check connections; Check LINK port is enabled or not; Check settings of genset ID and baud rate are correct or not.