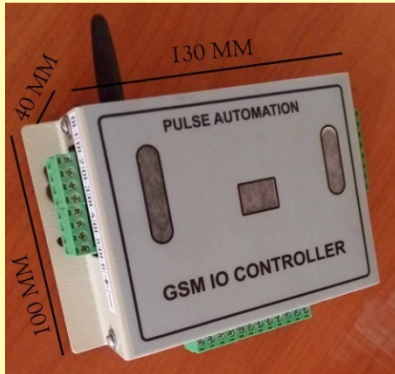


PULSE GSM SMS IO Controller

A Complete Remote Monitoring and Control of Equipment Using your Mobile Phone SMS

Technical Details:

Dimensions: 130 x 100 x 40 MM



Mounting: Wall Mount or Panel Mount with Screw Holes.

Terminals: Plug In Type Removable Screw Terminals for easy maintenance.

Power Supply: 24 VDC / 3 Amp.

6 Mobile Nos. can be stored for use. Only Stored Numbers will be able to operate Pulse GSM SMS IO Controller, So no false operation by other mobile users.

6 optically isolated Digital Inputs (24VDC).

4 Potentially Free Relay Outputs with NO/NC contacts. You can connect up to 240V / 7 AMP load directly to the relay.

6 Analog Inputs (0 – 5 VDC).

Green Color LED indication for each Digital Input.

Red Color LED Indication for each Relay Output.

User Manual for Pulse GSM SMS IO Controller

1. Basic Requirements.

- 1.1 SIM Card: Any 2G / 3G SIM card with SMS service enabled. Internet service not required.

1.2 Power Supply: 24 VDC / 3AMP SMPS power supply. There are Two Screw terminals where you can give the supply from your existing panel or using separate power supply.

2. Preparing SIM card for use with GSM SMS IO Controller.

2.1 First remove any old SMS and contact details from SIM card using your mobile phone.

2.2 Enter the mobile numbers that you want to use with the GSM IO Controller using your mobile phone. You can enter up to 6 mobile numbers. Mobile no. format must be like +91XXXXXXXXXX.

2.3 Now your SIM card is ready to be used with the Pulse GSM SMS IO Controller. Now you can remove it from your mobile.

2.4 Now Open the Front Cover of the Pulse GSM SMS IO Controller and insert it to the SIM card holder. Lock the SIM card holder cover after inserting SIM card to it.

3. Power Supply and Starting of Pulse GSM SMS IO Controller.

3.1 You can use any 24VDC / 3 Amp power supply from existing Panel or by using separate SMPS.

3.2 Connect your power supply + and – respectively to the + and - terminals of the connector as shown in fig below.

3.3 Now switch ON the power supply .

3.4 After switching ON the power supply BLUE LED will blink fast and it will blink Slowly after connecting to mobile network.

3.5 Now your Pulse GSM SMS IO Controller is ready to use.

4. Using Digital Inputs

4.1 There are Six Optically Isolated Digital Inputs that accepts 24VDC as input signal.

4.2 You can connect up to Six Digital Output Signals from various sensors to DI1, DI2, DI3, DI4, DI5 And DI6 terminals as shown in fig below.

4.3 Before using Digital Inputs you will have to Set SMS text Messages for each inputs. Any authorized mobile no. can be used to set text messages.

4.4 To set text message, send following command SMS from registered mobile.

To set message for DI1 use “M1 Your Text Message up to 28 Character Long”.

To set message for DI2 use “M2 Your Text Message up to 28 Character Long”.

Same way you can send different SMS text as shown above for each digital

input. Use M3, M4, M5 and M6 and Your SMS text message and send It to Pulse

GSM SMS IO Controller. Now Pulse GSM SMS IO Controller is ready to be used with your customized messages for each Inputs.



4.5 Now you will get SMS text message as you defined for particular input when that input will get 24 VDC signal from sensor output connected to it.

5. Using Relay Outputs

5.1 There are Four Potential Free Relay Outputs with NO and NC contacts.

5.2 To can connect any load up to 240V / 5 Amp Directly to relay.

5.3 To operate relay (Turn ON or OFF) you will send SMS as below given format to Pulse GSM SMS IO Controller and It will Turn ON or OFF Relay accordingly.

5.4 To Turn ON Relay A, Send "Aon" text SMS from your registered mobile. When Pulse GSM SMS IO Controller will receive SMS it will turn ON Relay A. Likewise you can send text SMS "Bon", "Con", "Don" to turn ON Relay B, C and D respectively. To Turn ON ALL Relay Simultaneously you can send "Allon" text SMS from your registered mobile.

5.5 To Turn OFF Relay A, Send "Aoff" text SMS from your registered mobile. When Pulse GSM SMS IO Controller will receive SMS it will turn OFF Relay A. Likewise you can send text SMS "Boff", "Coff", "Doff" to turn OFF Relay B, C and D respectively. To Turn OFF ALL Relay Simultaneously you can send "Alloff" text SMS from your registered mobile.



5.6 You will get return confirmation SMS from Pulse GSM SMS IO Controller when particular Relay will Turn ON or OFF like “Relay A Turned ON” or “Relay A Turned OFF” . This SMS will come to Particular mobile number from where you send SMS to Pulse GSM SMS IO Controller to operate Relay.

6. Using Analog Inputs:

6.1 There are Six Analog Inputs (0-5VDC).

6.2 You can connect up to Six Analog Output Signals from various sensors.

6.3 To Know Real Time Value of Particular Analog Input, you will send SMS like “Ch1read” from registered mobile and You will get return SMS like “Ch1 Value: 50 Percent”. This SMS will Come to only that mobile number from where you send SMS to know the value.

6.4 You will get Analog Value in % of full scale value. Like you have connected a RTD with 0-300 Deg Centigrade range and its current value is 150 Deg then you will get SMS like “Ch1 Value: 50 Percent”.

6.5 You can send SMS “Ch2read”, “Ch3read” etc to read Real time value of Particular analog input.



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