Intelligent lighting system and remote control of illuminated passages

General definition of the device

This product is a lighting remote control device with the ability to update via GSM network. Compared to a regular astronomical clock, this device does not have a battery and display, but on the other hand, a communication circuit via a SIM card has been added to it. The main communication platform of the device is via SMS. Each device can communicate separately with the phone number of the line manager or SMS center.

In addition to the items mentioned for the above product, the ability to sample voltage and current has also been added to this product. Using line voltage and current samples, it is possible to measure all line parameters including power, current, voltage and power factor. All the mentioned parameters can be sent via SMS to the line manager.

Overall product performance

The center can be informed about the status of the product on the line remotely via SMS and can monitor the line information including whether the device output is connected or disconnected, lighting network consumption current and network voltage.

The line manager can manually connect or disconnect the output, determine and adjust the product offset by sending an order to the product.

This product operates in the context of the SMS network of internal operators.

Advantages of the device

1. Intelligent and fully automatic operation of the device without the need for any input settings
2. Installation on the rail inside the panel
3. Capture installation time and location automatically
4. Get remote offset settings by sending SMS
5. Receive the command to connect and disconnect remotely by sending an SMS
6. Define public on and off planning and crisis
7. Ability to send brightness reduction command (100%, 66%, 33%)
8. Sending error (voltage drop, overvoltage, line current drop, line current overload and line disconnection and untimely connection) to the server
9. Measuring the brightness of the substation
10. The change of disconnection and connection status is automatically sent to the server by the product
11. It is possible to remove line information by the server manually (it is not sending information permanently)
12. Ability to send information from multiple devices of the control system
13. Mark all commands based on exact time
14. Day test chassis

PRODUCT BY NOOR AFZA