

SYSTEM AND METHOD FOR REMOTELY MONITORING OF POWER LOSS TO ELECTRICAL EQUIPMENT

ABSTRACT

The present invention provides a system for detection and notification of power supply to electrical equipment. The system detects and notifies the user of the power loss to the electrical equipment either due to power outage or power loss. In one aspect of the present invention, the system comprises a power loss detection device having: a means for detecting mains power outage and restoration, and outputting the detected power outage and restoration; a means for detecting the power failure of the electrical equipment, and outputting the detected power failure; a first microcontroller for obtaining the outputting signals from both of the detecting means, processing the obtained signals, and transmitting the processed signals; an encoding means for encoding the information from the first microcontroller; and a wireless transmitting means for transmitting the encoded information from the encoder; and a communication device having: a wireless receiving means for receiving the transmitted information from the wireless transmitting means and transmitting the received information; a decoding means for decoding the encoded information from the wireless receiving means; and an information transmitter means for acting on the decoded information and issuing proper notification to the user of the electrical equipment. The invention further provides a method for detection and notification of power supply to an electrical equipment, wherein the method comprises detecting of power outage and restoration at a monitoring point of a utility power supply line; detecting of power failure of the electrical equipment; processing the signals of power outage and equipment power failure; and notifying a user of the electrical equipment of whether there is a power outage or equipment power failure.

FIG 1