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On Arduino Underground Cable Fault
Detector(Locator) Based On Arduino, Get
Underground fault in Display~~

*Underground cable fault detector using
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~~UNDERGROUND CABLE FAULT~~

~~DETECTION Underground cable fault~~

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~~Arduino Based Underground Cable Fault~~

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Cable Fault Distance Locator Using Arduino [with code and working]

IOT Based Underground Cable Fault
Detection ~~Transmission line Fault~~
~~detection Using Arduino with GSM By~~
~~DM TECHTRIX, MYSORE~~ Underground
power cable fault finder.... *How to find a
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IoT(Internet Of Things) Projects Of All

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Ardiuno School Projects *GSM based
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~~UNDERGROUND CABLE FAULT
DETECTOR OVER IOT~~

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DETECTION USING GSM~~ Underground
cable fault detection.

**UNDERGROUND CABLE FAULT
DETECTION** **Android based Industrial
fault detection using Temperature and**

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LPG sensor Arduino Based Underground Cable Fault

Arduino based underground cable fault detection circuit. The circuit is consists of 4 line display, arduino and resistance measurement circuit. Main component of the underground cable fault detection circuit is low value resistance

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measurement. It is constructed using a constant current source of 100mAmps.

Arduino Based Underground Cable Fault Detection ...

Until the last decade, cables were
Unsymmetrical fault:- In this fault
magnitude of current is designed to be

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placed above the head and, at present, there not equal & phase shifting is not equal by 120 degree. is no underground cable that is higher than the previous Terminal method:- in this method used to detect the fault method. adverse weather conditions such as storms, snow, location in underground lines without any effort

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This torrential rains and pollution does not affect on method ...

(PDF) Arduino based Underground Cable Fault Detection ...

Arduino based underground cable fault detection. SSRG International Journal of Electronics and Communication

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Engineering - (ICRTESTM) - Special
Issue –April 2017. ISSN: 2348 – 8549
www.internationaljournals.org Page
101. Arduino based underground cable
fault detection.

**Arduino based underground cable fault
detection**

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Whenever the fault occurs in underground cable it is difficult to detect the exact location of the fault for process of repairing that particular cable. The proposed system finds the exact location of the fault. This system uses an Arduino micro controller kit and a rectified power supply. Here the current sensing circuits

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ARDUINO BASED UNDERGROUND CABLE FAULT DETECTOR

The growing concern for safety and infrastructural proliferations in the densely populated urban and suburban areas as well as the quest to preserve the aesthetic

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ARDUINO MICROCONTROLLER BASED UNDERGROUND CABLE FAULT ...

Display Type of Fault on LCD The objective of this project is to determine the distance of underground cable fault from

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base station in kilometers USING AN
Arduino board. The underground cable
system is a common practice followed in
many urban areas.

Arduino based Underground Cable Fault Detection

fault in the underground cables from the

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feeder end in few meters by using an Arduino microcontroller. The Arduino microcontroller is used to detect the changes in the output voltage of the bridge circuit. As soon as a fault occurs in the cable, the bridge is balanced at some other resistance than the normal condition.

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Thus the project on Underground cable fault detection using Arduino was done and the distance of the fault from the base station in kilometers was displayed for the three individual phases R, Y and B. Circuit can be tested with different resistor values

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to simulate various fault conditions In this project faults upto a distance of 4km can be detected. When the fault switches are operated to fault condition then the phase corresponding to that particular switch is considered as the faulty phase.

Detection of Underground cable fault

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Fig. 7: Circuit diagram of Arduino based underground cable fault detection

ALGORITHM AND FLOWCHART

Algorithm: Step1: Initialize the ports, declare timer, ADC, LCD functions.

Step2: Begin an infinite loop; turn on relay 1 by making pin 0.0 high. Step3: Display

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“R:” at the starting of first line in LCD.

Step4:

DESIGN AND IMPLEMENTATION OF OF AN ARDUINO BASED ...

The objective of this project is to determine the distance of underground cable fault from base station in kilometers

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using an Arduino board. The underground cabling system is a common practice followed in many urban areas. There are many electrical, telephone and other signal cables are laid underground. Many time faults occur due to construction works and other reasons. At that time it is difficult to dig out cable due to not knowing the exact

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location of the cable fault.

CABLE FAULT DETECTION using ARDUINO

CONCLUSION: The project “ARDUINO
BASED UNDERGROUND CABLE
FAULT DETECTION SYSTEM” has
been successfully designed and tested.

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Integrating features of all the hardware components used have developed it. Presence of every module has been reasoned out and placed carefully thus contributing to the best working of the unit.

ARDUINO BASED UNDERGROUND

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TRANSMISSION CABLE FAULT ...

microcontroller based underground cable fault distance locator. ... sometimes referred to as the Arduino based ... this paper presents a novel underground cable fault detector that has the ...

(PDF) Design and Implementation of

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Arduino based Underground Cable Fault Detection. ABSTRACT. The project is intended to detect the location of fault in underground cable lines from the base station in kilometers using an Arduino board. This project uses the standard concept of Ohms law i.e., when a low DC

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voltage is applied at the feeder end through a series resistor to the Cable lines, then current would vary depending upon the location of fault in the short circuited cable.

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Engineering Students ...**

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Description The objective of this project is to determine the distance of underground cable fault from base station in kilometers USING AN Arduino board. The underground cable system is a common practice followed in many urban areas.

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CABLE FAULT DETECTION - Electrosal

The arduino system has the ability to locate the fault whether it is in the overhead line or in the underground power cable. In addition to, the proposed scheme gives an accurate estimation of the fault resistance at fault location.

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**ISSN: 2000-000X Arduino Based
Underground and Overhead ...**

Topic: Arduino based underground cable
fault distance locator (Read 12127 times)
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Shannon Member; Posts: 12,931; Karma:
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cable fault distance locator #30 Mar 27,
2019, 05:41 pm. No oops but the question
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Arduino based underground cable fault distance locator ...

This paper presents the method of design
of a cable fault location sensor for

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underground cable fault detection. The aim was to detect the fault location from transmitting or receiving station up to few meters accuracy using an Arduino based kit. The underground cable-based supply system is a common practice in urban areas.

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