SMART DETECTOR

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ABSTRACT

Smart detector is a device that quickly detect a faulty wire and check open circuit or short circuit in 1-core, 2-core and 3-core cables without physically disturbing the wires. The main purpose we make this device because to provide a simple and better way of finding the faults in the household appliances. This device also is simply and handy to use which help us to find the fault of the appliances. In this device, there are consists two circuit, broken wire circuit and short circuit checker. For the broken wire circuit, the function is to trace the leakage of cable. This circuit can provide us the easy way of finding and replacing the cables which are broken due to the fault. The heart of the system, IC CD4069 makes the detection very easy. For the short circuit checker, the function is to detect short at the component. The circuit is very reliable. This is very good device which can use in all home appliances in our daily life.