

Abstract

With the development of cellular communication open a new business chance for the operator. So that, the celular operator build transmitter towers in a lot of areas to get customers as much as possible. But in the fact, development of these towers was not followed by good safety. Stealing of communication tools in radiator tower, shows lack of attention of these tools.

This last project will realize a safety detector on BTS that will works by using microcontroller, infra red sensor, and usage of SMS gateway. System could detect movement from an object. When there is an object crossed infra red sensor, the system will do the automatic sending process to BTS controller, that message could correlated as a alarm for BTS controller when there is infiltrator. But when the system not detect existention of the object, so system will not take action.

Key Word : Safety detector on BTS, Microcontroller, Infra red sensor, SMS Gateway.