



RESEARCH ARTICLE

CAN PROTOCOL IMPLEMENTATION FOR INDUSTRIAL PROCESS

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ABSTRACT:- The main aim of this project is to implementation for data communication based on CAN protocol by using microcontroller. CAN is a multi-master broadcast serial bus standard for connecting electronic control units (ECUs). Each node is able to send and receive messages, but not simultaneously: a message (consisting primarily of an ID usually chosen to identify the message-type/sender and up to eight message bytes) is transmitted serially onto the bus, one bit after another this signal pattern codes the message (in NRZ) and is sensed by all nodes. The industrial control system deals with all the above-mentioned problems and can effectively control them and letting the industry be in safe mode. It is an embedded project and has the microcontroller as controlling controller. The temperature sensor maintains the temperature at the specified level. Light sensor is used to sense the Light. According to the Sensors the controller will activate through ADC 8080 and gives to the CAN transceiver. It transmits and CAN transceiver receives and gives to microcontroller. It displays the data in the LCD.

Full Text: <http://www.ijcsmc.com/docs/papers/November2013/V2I11201325.pdf>