

Programmable Logic Controllers

This worksheet and all related files are licensed under the Creative Commons Attribution License, version 1.0. To view a copy of this license, visit <http://creativecommons.org/licenses/by/1.0/>, or send a letter to Creative Commons, 559 Nathan Abbott Way, Stanford, California 94305, USA. The terms and conditions of this license allow for free copying, distribution, and/or modification of all licensed works by the general public.

Resources and methods for learning about these subjects (list a few here, in preparation for your research):

Questions

Question 1

The *Programmable Logic Controller*, or PLC, was invented in the late 1960's by engineers working for an American company named Bedford Associates. What was the intended purpose of this device, which was then called the MODICON (for MODular DIGital CONTroller)? What applications was it intended to find use in, and why would it be an advantage over existing technology?

file 01430

Answers

Answer 1

Programmable Logic Controllers were (and still are) primarily intended to replace hard-wired relay logic circuits.

Notes

Notes 1

Ask your students what advantages programmable devices have over hard-wired circuits. Also ask them to think if there are any disadvantages to programmable devices, as opposed to hard-wired circuits. What types of applications do they think each type of digital technology might find the most use in?