082-CM

Utilization of Arduino Circuit to Design a Simplified Circuit to Encrypt Morse Signals Used In Naval Applications

Islam Atef

sameh_tawfeek@hotmail .com

Supervisor: Sameh Tawfik Abd Elfattah, Commodore Dr

sameh_tawfeek@alexu.edu.eg

Morse code is a method of transmitting text information as a series of on-off tones, lights, or clicks that can be directly understood by a skilled listener or observer without special equipment, it is used by skilled naval radio operators. The difficulty of training skilled workers capable of handling signals in Morse code, especially in military applications leads to think about using Arduino as an easy way to encrypt Morse code signals without the need for skilled workers through the design of a simplified programed electronic circuit.