

## EXPERIMENT LIST

|     |                                  |     |                                    |
|-----|----------------------------------|-----|------------------------------------|
| 1.  | Resistors in Series and Parallel | 39. | Bistable Multivibrator             |
| 2.  | Switching Circuit                | 40. | Reset/Set Flip-Flop                |
| 3.  | Comparator                       | 41. | OP Amplifier AND Circuit           |
| 4.  | Window Comparator                | 42. | OP Amplifier OR Circuit            |
| 5.  | Winking LEDs                     | 43. | OP Amplifier Three Input NAND Gate |
| 6.  | Light Dimmer                     | 44. | Pulse Width Modulation             |
| 7.  | Strobe Light                     | 45. | Motion Detector                    |
| 8.  | Constant-Current Circuit         | 46. | Burglar Alarm                      |
|     | Schmitt Trigger Circuit          | 47. | Shot in the Dark                   |
| 10. | Capacitor in Series and Parallel | 48. | Water Level Alarm                  |
| 11. | RC Oscillator                    | 49. | Photo Alarm                        |
| 12. | Constant Voltage Circuit         | 50. | Timer Buzzer                       |
| 13. | Touch Switch                     | 51. | Sound Alarm                        |
| 14. | Low-Pass Filter                  | 52. | Photo Level Alarm                  |
| 15. | Summing Amplifier                | 53. | Four Step Water Level Indicator    |
| 16. | One Shot LED                     | 54. | Four Level Photometer              |
| 17. | Electronic Siren                 | 55. | Electronic Candle                  |
| 18. | Electronic Cat                   | 56. | Motion LED                         |
| 19. | Electronic Metronome             | 57. | Light Dimmer by Pulse Control      |
| 20. | The Chirping Bird                | 58. | Sound Sensor Timer                 |
| 21. | Machine Gun Pulse Oscillator     | 59. | Logic Tester                       |
| 22. | Pencil Lead Organ                | 60. | Conductivity Tester                |
| 23. | Sound Light                      | 61. | Voltage Detector                   |
| 24. | Two-Tone Patrol Car Siren        | 62. | Electronic Coin Toss               |
| 25. | Daylight Early Bird              | 63. | Intermittent Light                 |
| 26. | Intermittent Alarm Generator     | 64. | Two-Stage Timer LED                |
| 27. | Electronic Woodpecker            | 65. | DC-DC Converter                    |
| 28. | Rain Drop                        | 66. | Two-Stage Timer Sound              |
| 29. | Photo Variable Oscillator        | 67. | Sound Level Meter                  |
| 30. | Sound Machine                    | 68. | DC-DC Converter (Negative)         |
| 31. | Voltage-Controlled Oscillator    | 69. | Optical Volume                     |
| 32. | Power Amplifier                  | 70. | Quick Draw                         |
| 33. | Transistor AND Gate Circuit      | 71. | Sawtooth Wave Oscillator           |
| 34. | Transistor OR Gate Circuit       | 72. | Marching LEDs                      |
| 35. | Transistor NAND Gate Circuit     | 73. | Electronic Organ                   |
| 36. | Transistor NOR Gate Circuit      | 74. | First Aid Siren                    |
| 37. | Transistor Flip-Flop Circuit     | 75. | Falling Bomb Sound                 |
| 38. | Timer LED                        |     |                                    |

You never know what you'll find next when you start exploring electronics with this

## 75-IN-ONE ELECTRONIC PROJECT LAB

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