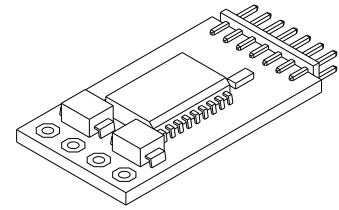


Description: A small (postage stamp) sized electronic module with two inputs and four outputs that can be programmed to perform a variety of simple logic and timing functions. A typical use would be to change momentary switch functions into maintained.



- 2 digital inputs
- 2 high power digital outputs (3 A)
- 2 low power digital outputs (20 mA, typically for LEDs)
- factory programmable for a variety of logic functions (customer specified)
- mounts inside our L, S, B, O, P, and M grips

Typical functions:

- A momentary input switch activates an output that latches ON on the first press and latches OFF on the second press. Unit always powers up with the output OFF.
- A Forward/Neutral/Reverse controller. Unit always powers up in the Neutral (both outputs OFF) position. Pressing the Forward momentary input button latches the Forward output ON. Pressing the Reverse momentary input button returns the unit to Neutral, or pressing and holding the Reverse input button turns OFF the Forward output and turns ON the Reverse output after a short delay. LED outputs indicate the F/N/R status.
- A momentary input switch activates an output that turns ON for a predetermined time. During that time, a second input switch is "locked out" and its output will not turn ON.
- A momentary input switch activates two outputs in a timed sequence. A second momentary input cancels the sequence. LEDs show the output status.

| Mechanical:     | Min. | Typ. | Max | Units | Comments                        |
|-----------------|------|------|-----|-------|---------------------------------|
| Width           |      | 16   |     | mm    |                                 |
| Length          |      | 33   |     | mm    |                                 |
| Thickness       |      | 8    |     | mm    |                                 |
|                 |      |      |     |       |                                 |
|                 |      |      |     |       |                                 |
|                 |      |      |     |       |                                 |
|                 |      |      |     |       |                                 |
| Electrical:     | Min. | Typ. | Max | Units | Comments                        |
| Supply Voltage  | 9    |      | 30  | VDC   |                                 |
| Input Voltage   |      | 5    |     | VDC   | On board 5 VDC supply available |
| Output Current  |      |      | 3   | A     | High power outputs              |
| Output Current  |      |      | 20  | mA    | Low power outputs               |
|                 |      |      |     |       |                                 |
|                 |      |      |     |       |                                 |
|                 |      |      |     |       |                                 |
|                 |      |      |     |       |                                 |
| Environmental:  | Min. | Typ. | Max | Units | Comments                        |
| Operating Temp. | -25  |      | 70  | °C    |                                 |
| IP Rating       |      |      |     |       | Dependant on enclosure          |
|                 |      |      |     |       |                                 |
|                 |      |      |     |       |                                 |

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