



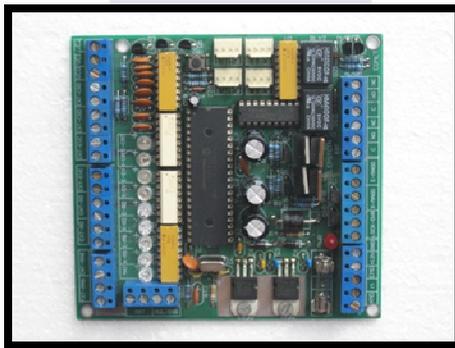
Comet Electronics (Booth Controller)

PCB only

The PCB is a booth controller or double door interlock. The PCB controls an entrance and exit door and manages them to ensure that never are both doors open at once. The PCB has easy to use screw terminals for wiring. Each screw terminal is named by a top overlay labeling the terminals for easy installation and reference. The PCB comes with an entrance and exit evacuation switch, when this switch is activated the corresponding door opens and the robot lights turn to green. When both switches are activated both doors open and all robot lights go to green. The unit also has a master key override switch for system malfunction, when activated the electronics are bypassed and power is forced off the doors.

There is a single or multiple input that allows the passage of only one person or many people depending on the setting (this only works with the addition of a pressure mat and a mini PCB attached to the system).

Each input has an LED to indicate the state of the input (on or off) for commissioning and fault finding purposes.



There are four separate outputs for robot lights, each output to cater for a red and green light to indicate to the user the direction of passage. Each direction traveled has two sets of robot lights, one at the door and one inside the booth.

The robot lights are useful when the PCB is being used in single mode to indicate a blocked transaction when more than one person is in the booth.

There are two relay outputs, one is for **end of a transaction** and the other can be connected to a buzzer to indicate a warning i.e. more than one person in single mode. End of transaction is useful when coupling to an access control system when **anti pass back** is

implemented. Often people card read but do not enter the booth and then later are denied entry because the access control system believes they are already inside. With the end of transaction pulse the access control system knows for sure that the user has completed a transaction.

Software Variants:

- The booth controller can operate as a standard unit whereby a transaction occurs immediately after a card read, or the controller can operate with a delay before an entry/exit transaction or a delay inside the booth before an exit transaction.
- There is an output that can be used for either a voice board or it can be used to indicate to an access control system or BMS the direction the user used either leaving or entering the area.
- Should a certain application not require the use of a pressure mat, the booth can be ordered without it.

*The PSU, magnetic locks, reed switches, robot lights and mat are supplied separately.

