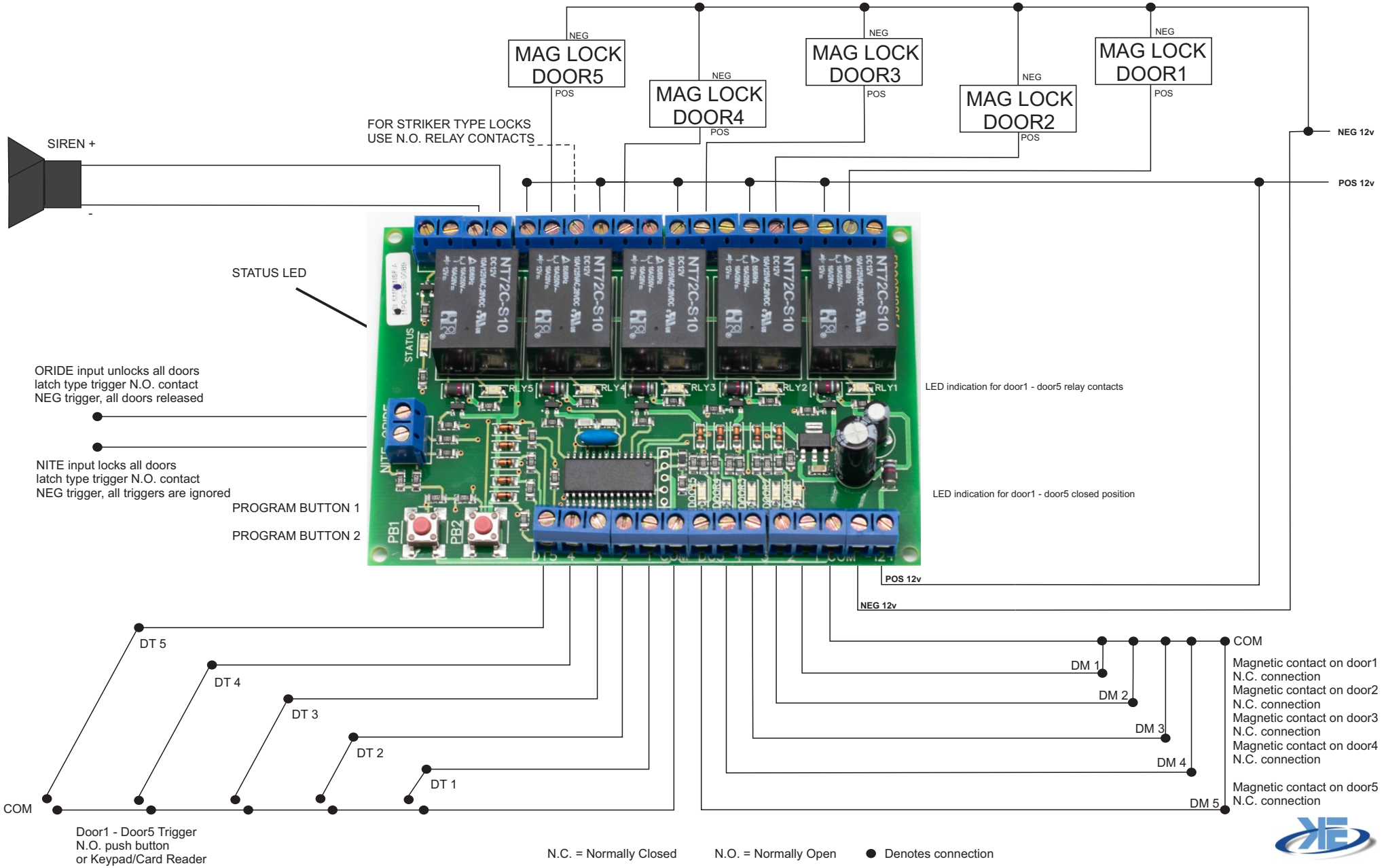
COMTRONIX®

Five Door Interlocking Unit

Instruction Leaflet



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Connection

Connect 12v DC power to the PCB, relay common points and mag/striker locks.
Use N.C. relay contacts for mag locks and N.O. relay contacts for striker locks.
Connect all valid door trigger inputs DT1-5.
Connect all magnetic switch inputs DM1-5, some mag locks have the switch built into the lock, check the lock instruction sheet for wires used for COM and N.C. connections. Ensure that the connection used is closed when the door is closed and locked.
For all unused doors bridge the DMx to COM on the interlocking PCB. (x denotes the unused door)

Operation

Apply 12v DC voltage, status LED flashes three times.
All doors interlock with each other.
PROGRAMMABLE version is available upon request where each door can be set to interlock with any amount of other doors.
Press and hold Pb1 and Pb2 program buttons, all relays turn on to release power to mag locks.
Release program buttons and all relays turn off. This feature can be used to test the wiring and functionality of all the door wiring.
Ensure all doors are closed. If all 5 doors are not being used then the spare door magnetic contacts(DM1-5) **must be bridged out** to simulate that unused door being closed. Door1 - 5 RED leds will be on if all doors are closed.
Trigger any of the doors, using DT1-5 inputs. If one of the other doors is open the status LED flashes but the triggered door will not release, else the door triggered relay and corresponding LED output will turn on cutting power to the mag lock.
Enter through the door.
Once the door closes the status light flashes and the unit is ready for another trigger.
To release all doors trigger the ORIDE input with NEG trigger via a key/latch type trigger and all relays will turn on.
To lock all doors trigger the NITE input with a key/latch type trigger, all doors will lock and all triggers will be ignored.