

Terminate Door Sensor, Exit Button with Line Supervisory to ACU1000 Main Board

Overview

Door Access reader is use along with some door accessories. (Door sensor, Electric Lock, Exit Push Button, Emergency Break Glass), these accessories are mounting at the door and wired back to controller for termination.

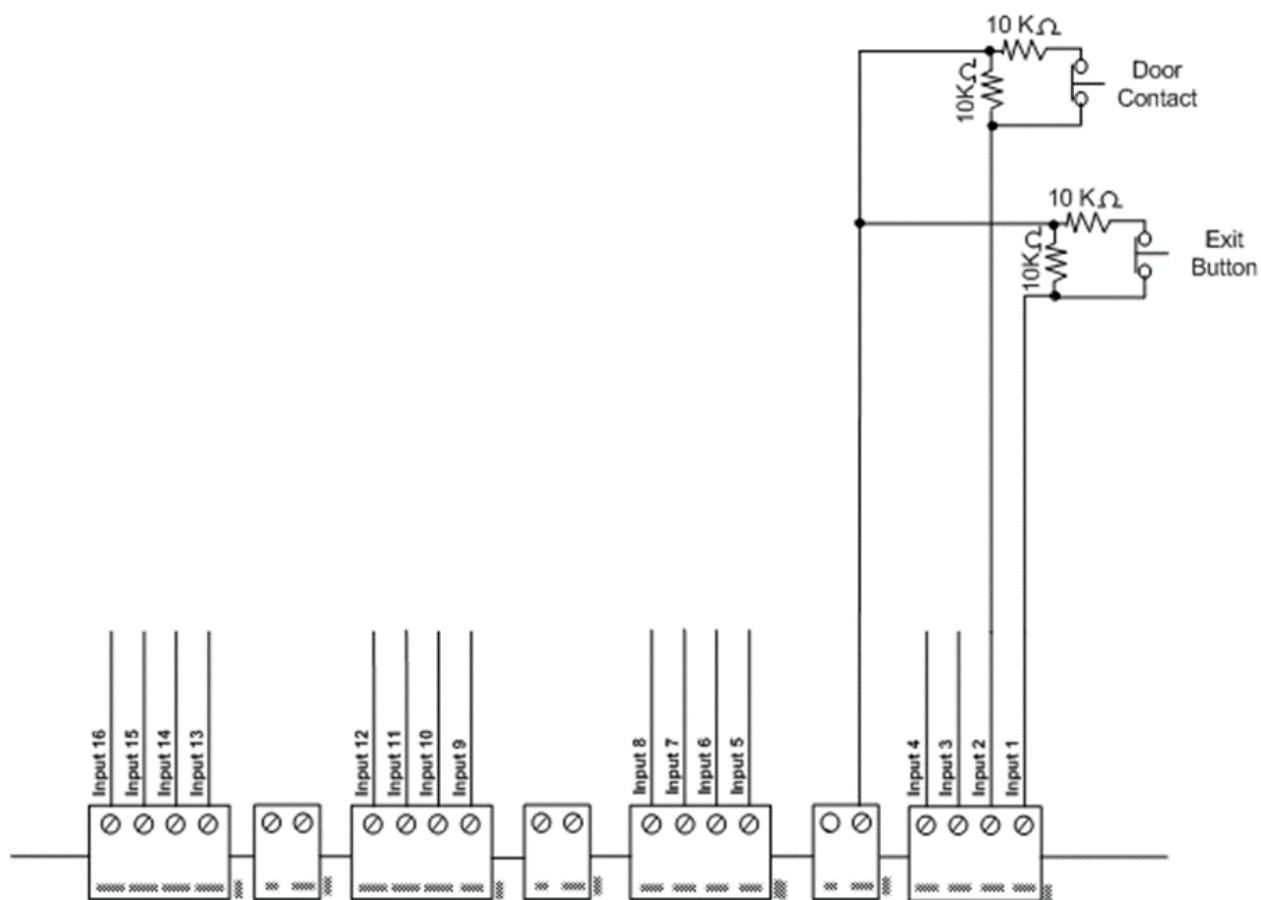
On ACU1000 board there are designated zone where the accessories can connect for each reader address.

Reader Address	Exit Push Button	Door Sensor	Electric Lock
1	Input zone 1	Input zone 2	Output Zone 1
2	Input zone 3	Input zone 4	Output Zone 2
3	Input zone 5	Input zone 6	Output Zone 3
4	Input zone 7	Input zone 8	Output Zone 4

*Emergency Break Glass are wired in series to EM Lock, for fail safe purpose.

LSS means Line Supervisory, it monitor the wire from being tamper with (Line cut). Two scenarios can happen when line is cut. Short circuit or open circuit. With LSS it can detect such tampering and when it happens a fault will be registered in the system. Two of the accessories door sensor and push button are monitored for line tampering.

For operation in the line Supervised mode, end of line resistors is required. This establishes different voltages at the input depending on the device status and line fault conditions. The Input circuit compares the voltage status and line fault conditions. The input circuit compares the voltage differential on the line to internal thresholds to determine the line status. The end of line resistor value shall be 10K Ohm.



Note: Setting of this switch applies to all analog 16 inputs. If there is any input requires line supervision, then ALL inputs have to operate in the same mode.