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DSX Access Systems, Inc.
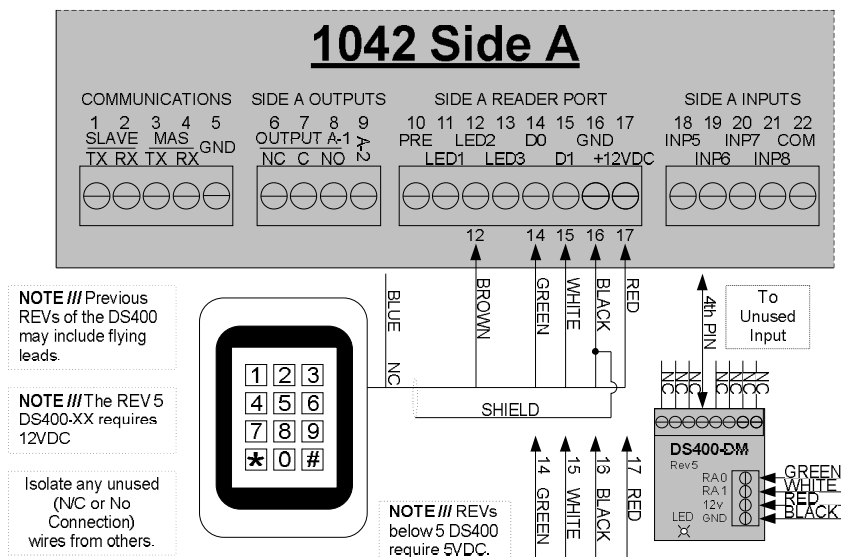
DSX Specialty Modules

DSX-400DM Duress Module

Application

The DSX-400DM duress module is designed to provide a duress alarm for users of keypad systems. The module monitors the data 1 and 0 lines from a Wiegand output keypad waiting for the asterisk (*) key hit. When the module sees the asterisk, the modules output pulls low to activate an input on the DSX panel that would be defined as "Keypad Panic".

Implementation

To implement duress with keypad access, all keypad codes must begin with a zero. This allows codes to be 4, 5, or 6 digits in length. Set the "number of digits in a keypad code" selection under location to be 1 more digit than the unique number to be used. All users will then press zero   (0) followed by the remaining digits of their code. To signal a duress alarm the user will press the asterisk (*) instead of the Zero and enter the rest of their code as usual. The panels sees the * as a 0 and will grant access for the user. When the DSX-400DM sees the asterisk (*) it activates its output and trips the controller input that responds as programmed.
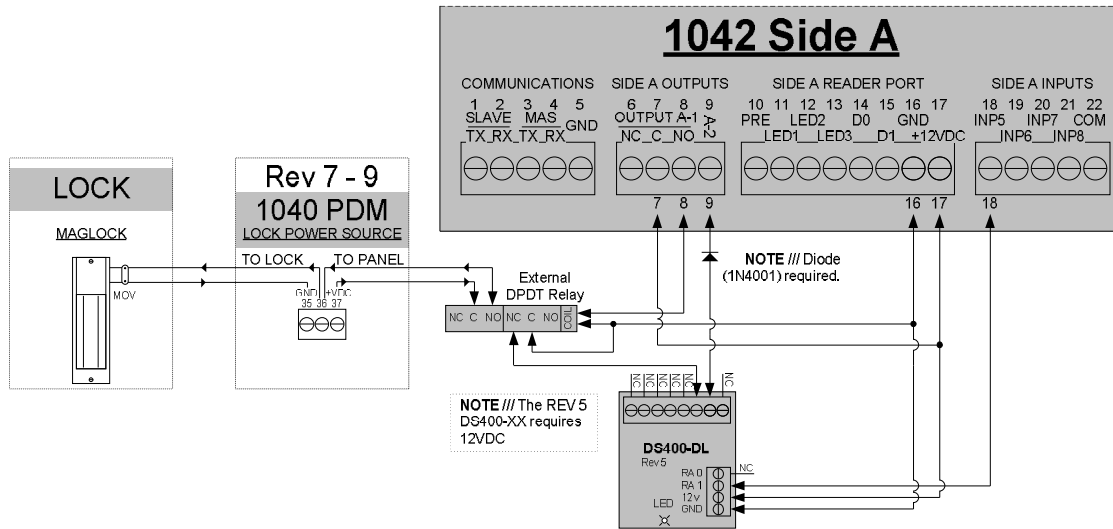
DSX-400DL Door Latch Module

Application

The DSX-400DL allows the user to unlock with a card read, latch the door open with a second card read and to re-lock (put to time zone) the door with a third card read. Only users with the appropriate linking level will perform this function. Non-authorized users have normal access through the door.

Operation

On the first card read, output 1 on the DSX panel activates the DPDT relay to unlock the door. Authorized user will pulse output 2 via a code to output link, if there is no second card read while the door is unlocked, the door re-locks normally. If there is a second card read by an authorized user, within the unlock time, then output 2 pulses again which triggers the DSX-400DL to trip its output that is tied to an input on the panel. This input is programmed to link to output 1 on a follow so that as long as the input is faulted, output 1 is open. A third authorized read resets the process and the door relocks.

Size

3"W x 2"H x 1.25"D

Power Requirements

13.5VDC @ 50ma