DR2 **Door access package**
Standalone card and pin

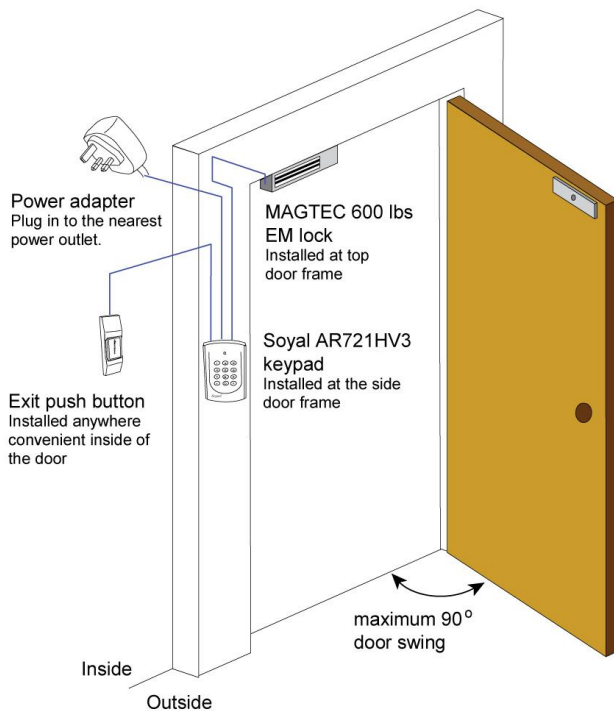## SOYAL
Access Control System
Date: 2 Sept 2016, Revision: V5

Description

DR2 is a solution for simple standalone low budget application. During entry, user will just need to flash their card in front of the reader and/or enter their pin number on the keypad. Upon identity verification, the electromagnetic lock will release; allowing the door to be opened. During exit, users press the exit push button from the inside.

Green LED will blink with one beep sound to indicate successful reading. Red LED will blink with two beep sound to indicate invalid reading. Card numbers are programmed into the reader via keypad. For future maintenance, it is recommended to keep a hard copy list of the user number, name and card number programmed into the reader. For ease of maintenance, it is recommended to add software so that all user profile can be stored in PC. Software allows easy add / edit / delete of user profile.

Installation Diagram

Power adapter
Plug in to the nearest power outlet.

MAGTEC 600 lbs EM lock
Installed at top door frame

Soyal AR721HV3 keypad
Installed at the side door frame

Exit push button
Installed anywhere convenient inside of the door

maximum 90° door swing

Inside

Outside

Feature

- 1024card users
- Support card and pin for added security
- Manual push button to open / close door for guest.
- Optional connection to PC

Ordering Information

Ordering code: DR2

Qty	Equipment
1 pcs	SOYAL AR721HV3 standalone car reader
1 pcs	Power adapter DC12V, 1.5A
1 pcs	MAGTEC 600lbs EM Lock
1 pcs	Exit push button
10 pcs	CDS18, 1.8mm 125KHz proximity card

Upgrade Ideas

- Add AR321CM for PC connection.
- Add magnetic contact for alarm and door opened too long warning.
- Add a break glass for emergency exit.
- Add key switch for manual turn off to open door in case of equipments failure.
- Upgrade MAGTEC EM lock to LCJ electric dropbolt to support 2 way door swing
- Upgrade power adapter to NOVA150 for backup battery supply.

** Additional EM Lock mounting brackets might be needed depending on the types of door.