Using ACW02M Converter (Barcode)

Overview

Barcode appears in many individual personal credential cards as it is issue as National Identification cards. It becomes a convenience means of capturing and identifying individual visiting secure premises that deploy gantry points to guard against illegal entry.

ACW02M converts signal from Barcode reading into RS485 that can be used in ASIS controller.

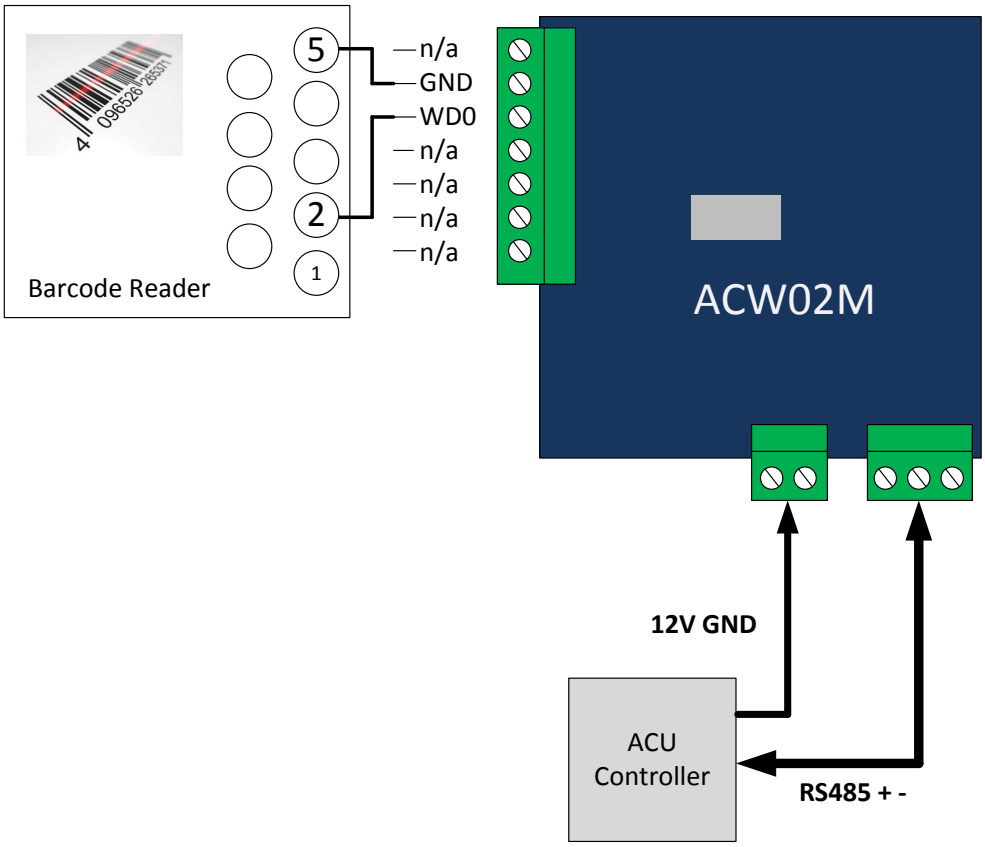

Figure 1. Access Group Browse

Barcode Mode

Support 1D linear barcode. Max length for card access application 16 digit numeric.

Application:
No control
Scan Singapore issue NRIC, S1234567A, output data will truncate all alpha: 1234567

*One day control
Scan Singapore issue NRIC, S1234567A, ACW02M will match today date with scan data, if valid output data will be truncate all alpha: 123456

One day control allows VMS system to generate a temporary pass (printed barcode) reference to visitor NRIC. The printed barcode will be encrypted with visitor NRIC number and the date of visit. Beyond the date, the barcode will be rejected by the system.

Barcode one day control

Barcode one day control allows using of visitor credential (NRIC) as access pass with daily right grant.

It is encrypt with the date of pass issue and the visitor NRIC number and print out a barcode pass. The barcode pass will expiry by end of the day. This allows easy control of single-issue pass.

Encryption key

When using one day control, the encryption key has to be unique to each site. By factory default the encryption key is 1234, it has to be change before start using the one day control features.

Print out default encryption barcode using VMS software
Print out new encryption barcode using VMS software
Connect the barcode scanner to ACW02M
Short H3 Pin 1 and Pin 4
Scan default encryption barcode
Scan new encryption barcode x 2
New encryption key programmed.

Reset encryption key to factory default

Turn off power of ACW02M
Short H3 Pin 1 and Pin 4
Turn on power of ACW02M
Remove the short pin 1 and pin 4 after 5 sec