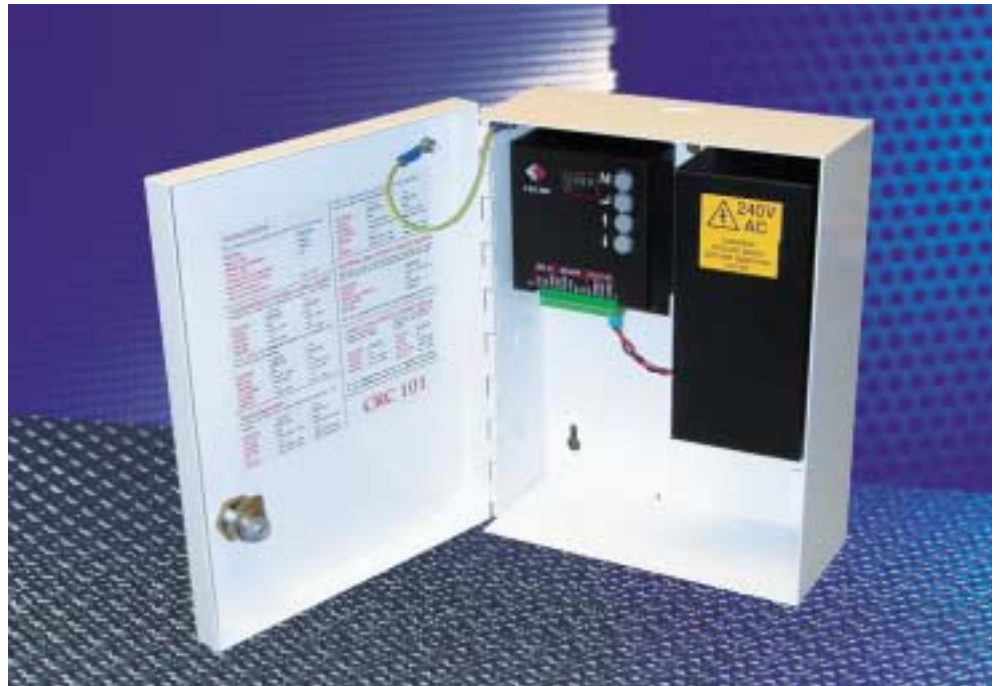# CRC101 –
CARD READER CONTROLLER

The CRC101 is a stand alone access control unit designed for indoor use, that supports a single magnetic stripe or proximity card reader. The unit is programmed using on board buttons with feedback from a 4 digit display. This single reader controller gives a voltage free relay contact output.

RH301

CC420

ASR603

ASC121T

Features

◆ Stand alone control unit

◆ Built in CRC100 controller

◆ Capacity – 10,000 cards with site code

◆ Validate/void individual cards

◆ Validate/void groups of cards

◆ Card status verification

◆ Variable output relay timing (0 – 30 secs)

◆ Anti-time back (0-30 secs)

◆ Push button programming

◆ Supports magnetic stripe and proximity readers

◆ Built in power supply

◆ Free exit or arming facility

◆ 4 digit LED Display

◆ Voltage free relay contact

◆ Lockable indoor housing

◆ Ability to parallel 2 readers for single door entry/exit control

Options

◆ Battery back up

Applications

◆ Door access control
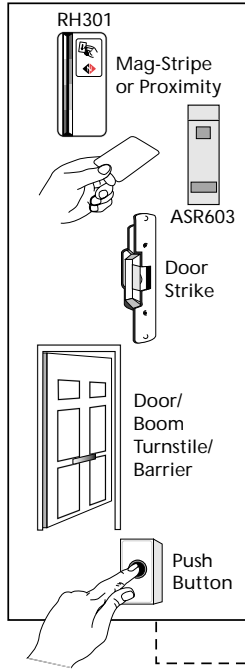
◆ Turnstiles and automatic gate control
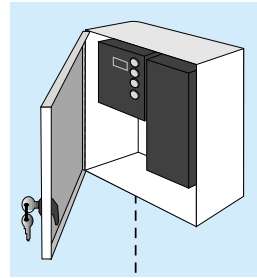
NORTECH
CONTROL SYSTEMS

SPECIFICATIONS

NORTECH
CONTROL SYSTEMS

**Typical configuration
for the CRC101**

RH301

Mag-Stripe
or Proximity

ASR603

Door
Strike

Door/
Boom
Turnstile/
Barrier

Push
Button

CRC101 Card Reader Controller

CRC101

Supply voltage	220V AC
	*0.75 Amp 12V available supply for lock with battery back-up capacity
Size	245 x 195 x 85mm
Output	Voltage free change over relay rated at 30V DC @ 2A
Cabling	CRC101 to card reader, Belden Cable 9536 (50m Max)
Unit weight	2.7kg

RH301 Magnetic stripe card reader

Supply voltage	4.5V – 6.4V (supplied by CRC100)
Operating temp	-40ºc to +75ºc
Current Draw	20mA
Read head life	300,000 swipes
Housing	Aluminium die cast
Electronics	Conformally coated
Unit size	50 x 33 x 140mm
LED Indicator	Bi-colour

ASR603 Slim proximity card reader

Supply voltage	5.0V – 14V DC (supplied by CRC100)
Operating temp	-30ºc to +65ºc
Read range	Up to 12.7cm
Housing	Single-piece construction with potted electronics
Electronics	Fully potted
Unit size	114 x 44 x 22mm

Ordering Information

CRC101	Card reader control unit
RH301	Magnetic stripe card reader
CC420-HCN	Magnetic stripe cards
ASR603	Slim proximity card reader
ASR610	Mid range proximity reader
ASC121T	Standard proximity cards

Supplied by:

Nortech observes a policy of continuous product development and reserves the right to alter or change any aspect of the system specification without notice.