

AY-H6355BT

CSN SMART™ Smart Card Readers
with NFC-ID and BLE-ID Transparent mode (Rev. A)

CSN
SMART

* Preliminary



The CSN SMART™ AY-H6355BT is an innovative reader from Rosslare geared for quad-play operation: backlit PIN keypad, smart card CSN (13.56 MHz) card reader, NFC-ID read, and BLE-ID smartphone ID read capabilities. Designed with premium components and IP65 mechanicals, it works well indoors and outdoors. The reader also features OSDP support and configuration card operation programming.

GENERAL DESCRIPTION

The AY-H6355BT reader is capable of reading the CSN of the most popular 13.56 MHz smart cards in the security industry, as well as NFC-ID from Rosslare's APP-1Ax55 Android NFC Credential App, and BLE-ID from Rosslare's Bluetooth BLE-ID Credential App for Android and iOS smartphones. Dual authentication is available when both RFID smart cards, BLE-ID and NFC-ID are combined with a keypad PIN entry. The reader output is in Wiegand format, with selectable bit lengths from 26-Bit to 64-Bit, on a standard Wiegand wired connection, and four individual control lines provide green LED control, red LED control, and buzzer control inputs. It features optical tamper detection with a dedicated output, and the operation of the above parameters may be configured using configuration cards. The AY-H6355BT supports connection with host controllers that support the Open Standard Device Protocol (OSDP).

MAIN FEATURES

- *NFC-ID is supported with Rosslare's APP-1Ax55 NFC Credential App for Android Smartphones in Host Card Emulation (HCE) mode
- *BLE-ID is supported with Rosslare's BLE-ID Credential apps for iOS and Android OS
- Programmable using configuration cards made with the CS-CCT Configuration Card Tool for the DR-6255
- Eight keypad transmission formats are available

- Mounting options for US gang-box
- Reads the CSN from the following smart cards:
 - ISO14443A - MIFARE® Ultralight® Nano / Ultralight EV1/ Ultralight C
 - MIFARE Classic® / Classic EV1
 - MIFARE Plus® S / SE / X / EV1
 - MIFARE DESFire® EV1 / EV2
 - NFC N-TAG / Card Emulation
 - ISO14443B - China National ID
 - ISO15693 - HID® iClass®, PicoPass, iCode, LEGIC
 - ISO18092 - SONY® FeliCa® (Hong Kong Octopus)

PROFESSIONAL GRADE FEATURES

- Sleek and modern design
- Addressable OSDP connectivity, up to 32 addresses using DIP switches with the CS-CCT Configuration Card Tool for the DR-6255
- Two tri-colored LED operation
- Optical wall tamper detection
- Blue backlit keypad with power saving options (On, Off, Dimming)
- IP65 rated and made of tough polycarbonate UV-resistant plastic
- Comes with mounting template and installation kit for easy installation

* Please refer to NFC App, and BLE-ID Apps datasheets for further information

SPECIFICATIONS

ELECTRICAL SPECIFICATIONS

■ Operating Voltage Range	8 to 16 VDC from a regulated power supply
■ Current at 12 VDC	Standby 120 mA, Maximum 220 mA
■ Read Range*	Contactless 13.56 MHz and NFC - up to 7 cm (2.8 in.) Bluetooth BLE 4.1 connection – up to 10 m (32 ft) open air
■ Tamper Output**	Open collector, active low, max. sink current 16 mA
■ Control Inputs**	Dry Contact, N.O.
■ Keypad	3x4 matrix backlit keypad – 8 modes of transfer to host panel
■ Reader Data Output Formats	CSN Wiegand 26-Bit*** and keypad with eight output formats & RS485 – OSDP

ENVIRONMENTAL SPECIFICATIONS

■ Operating Environment	Weather-resistant, UV-resistant, meets IP65, epoxy-potted, suitable for indoor and outdoor use
■ Operating Temperature Range	-35°C to 66°C (-31°F to 150°F)
■ Operating Humidity Range	0% to 95% (non-condensing)

PHYSICAL SPECIFICATIONS

■ Dimensions (H x W x D)	110.7 x 75 x 18.2 mm (4.4 x 3 x 0.7 in.)
■ Weight	190 g (6.7 oz.)

SYSTEM COMPONENTS

The AYC-H6355 readers are compatible with a variety of Rosslare controllers, as well as with many third-party access control systems supporting Wiegand or OSDP interfaces.

PRODUCT WARRANTY

3-year limited product warranty

- * Measured using a Rosslare MIFARE Classic EV1 (ISO Card). Read range with other credential technologies may vary. Range also depends on electrical environment and proximity to metal.
- ** Control lines are factory programmable and can be custom configured upon request.
- *** Standard readers output the Wiegand CSN data in Wiegand 26-Bit format by default. Other formats such as Clock & Data and Wiegand 32-, 32R-, 34-, 40-, 56-, and 64-Bit can be selected using the CS-CCT Card Configuration Tool or locally selected via keypad programming. Custom formats are available upon request.

ABOUT ROSSLARE SECURITY

Rosslare Security Products manufactures and markets high-quality security products via its worldwide offices and channel partners. Since 1980, Rosslare has offered high-quality systems for enterprise, small business, and residential applications.

www.rosslaresecurity.com

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