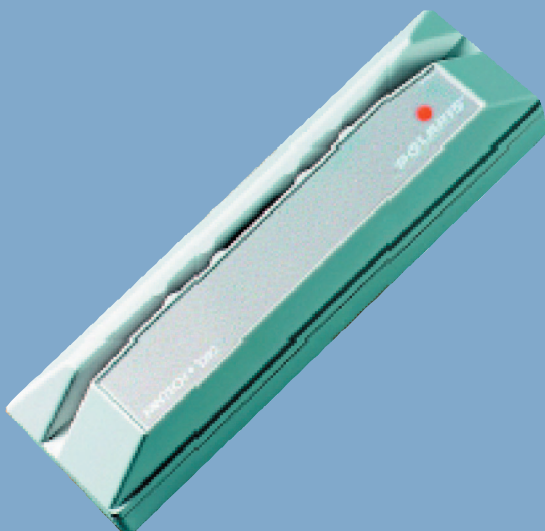# POLARIS Magnetic Stripe Card Readers

- **Integrated membrane keypad (POL-2KP)**

- **Bi-directional, standard and non-standard ABA-track magnetic card reading**

- **Four easily configurable output modes**

- **Built-in tamper switch, piezo buzzer, bi-color LED**

- **Indoor / outdoor use**

- **High endurance head assembly provides over 1 million reads**

- **Tough polycarbonate case**

- **U.V. protectant prevents discoloring**

POL-2   POL-2KP

POLARIS Magnetic Stripe Card Readers

The POL-2 and POL-2KP magnetic stripe readers are the new generation of the POLARIS series. Packed with new features, the POLARIS-2 series provides the right combination of quality and reliability.

Bi-Directional card reading

A card can be swiped through the reader in both directions and the reader's microprocessor automatically detects and rejects read errors. This prevents improper data being sent to the access control system.

Integrated Keypad (POL-2KP)

With an integrated 6-touch membrane keypad, the Polaris-2KP helps bring down the cost of your installations. The high quality lexan membrane is rated for 1 million duty cycles. The Polaris-2 keypad also provides a special "star" button used to trigger the arming or disarming of most alarm panels.

Four configurable outputs

Configurable outputs provide flexibility for the installer. Wiegand 26 bits, Wiegand 34 bits, ABA clock & data and ABA-Wiegand outputs can be programmed easily in the field without special programming cards or tools. These configurable outputs make the Polaris-2 series compatible with most access control systems on the market.

Indoor and Outdoor use

POL-2 and POL-2KP readers are both suitable for indoor as well as outdoor use. The PC boards are covered with six coats of the same conformal coating used for electronic road sign PC boards. The lexan keypad (POL-2KP) is weatherproof and durable. The weatherized construction allows it to withstand heat, dirt, humidity, rain, snow and ice.

Easy installation

Small size provides mullion mount, wall mount or single gang electrical box mounting plate. Includes a tampered lock plate. Can be installed in minutes.

Stylish design

Sturdy, attractive, stylish design can be installed anywhere. Suitable for the most difficult environments, from the parking gate to the executive boardroom.

Technical Specifications

Power	5 Volt DC = 5% 35mA
Dimensions (H-W-D) in.	6.24 x 1.75 x 1.48
Dimensions (H-W-D) cm.	15.86 x 4.45 x 3.76
Color	White
Operating Temperature	-40^0 F to 150^0 F (-40^0 C to 65^0 C)
Utilisation	Interior/exterior
Weight	0.4lbs (.018kg)
Cable type	6, 8, or 10 conductor, No 10 (18AWG) standard with overall shielded.
Cable size	Max.distance
No. 8 (20AWG)	300 feet (90m)
No. 10 (18AWG)	500 feet (150m)
Certification	UL, CE, FCC

Ordering Information

POL-2	Polaris 2 magnetic card stripe reader. Built-in tamper switch, piezo buzzer, bi-color LED.
POL-2KP	Polaris 2 magnetic card stripe reader with integrated keypad. Built-in tamper switch, piezo buzzer, bi-color LED
POL-25M	Polaris 2 magnetic card stripe reader. Built-in tamper switch, piezo buzzer, bi-color LED. with 16" (5m) cable
POL-2KP-5M	Polaris 2 magnetic card stripe reader with integrated keypad. Built-in tamper switch, piezo buzzer, bi-color LED with 16" (5m) cable
POL-C1CN	Polaris magnetic card stripe card, pre-programmed with card number imprinted on back of card (also includes bar code)
POL-C5CN	Polaris magnetic card stripe card, pre-programmed with card number imprinted on back of card (also includes bar code). Glossy front surface for Dye-Sub printing
POL-C6CN	Polaris magnetic card stripe card, pre-programmed with card number imprinted on back of card. Glossy front surface for Dye-Sub printing (no bar code)

POL-C1CN cards

POL-C5CN cards

POL-C6CN cards

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