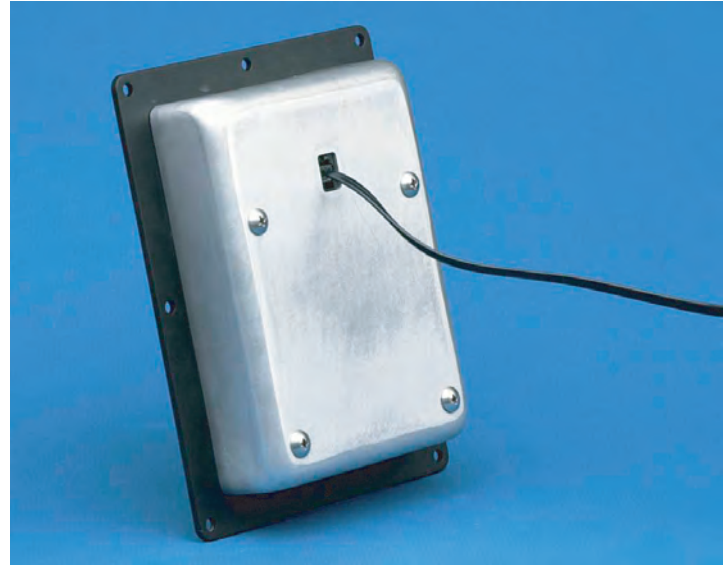


Interac Approved IDP ENCRYPTED PINPAD for Canadian Applications

Part Number 1K16C104-C-D



FEATURES

- Interac IDP Approved
- IP65 / NEMA 4 Sealed From the Front
- Vandal Resistant
- DES, 3-DES, DUKPT, and MasterSession

The 1K16C104-C-D PINpad combines an all-metal vandal resistant NEMA 4 keypad with **optional DES and 3-DES encrypting electronics**, rugged metal enclosure, and display to facilitate debit or credit card transactions at direct payment stations

KEYPAD

The keypad is all-metal, marine quality finish, and sealed to IP 65 / NEMA 4 from the front; it offers excellent tactile feedback with each keystroke. The key tops are laser engraved with English and French graphics, backfilled for long life, and include a raised pip on the 5-key to aide sight-impaired customers. In addition to excellent sealing characteristics, the keypad is **vandal and impact resistant**, allowing the keypad to be deployed in unsupervised environments.

ENCRYPTING ELECTRONICS

The encrypting electronics integrated into this unit accept keys pressed from the keypad and report the encrypted PIN information to the banking institution's host computer. To enhance end-user interaction, the 1K16C104-C-D also provides audible feedback anytime a key is pressed. Both MasterSession and DUKPT key management protocols are supported.

DISPLAY

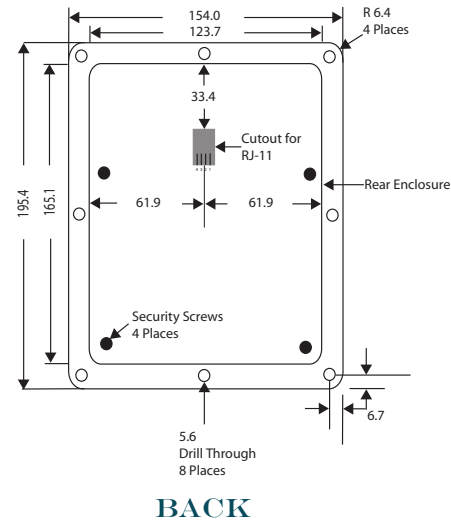
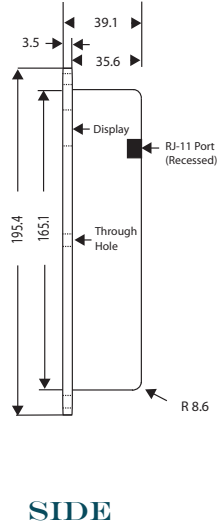
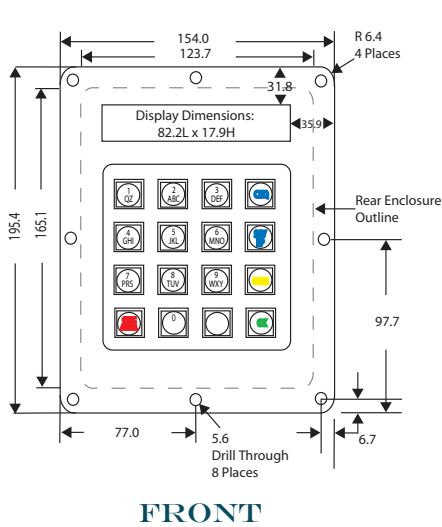
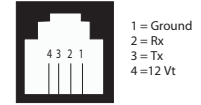
The 1K16C104-C-D incorporates a 2 x 20 illuminated LCD to prompt end users - in English and French - for PIN entry. The display is sealed and protected by a Lexan window.



3013 E. Mulberry St., Fort Collins, Colorado, USA, 80524
PH: 970-221-2201 • FAX: 970-484-4078
EMAIL: contact@mgrind.com • WEB: www.mgrind.com

PRODUCT SPECIFICATIONS

(DIMENSIONS IN MILLIMETERS)*



ENVIRONMENT

- Operating Temperature: -20C to +60C
- Storage Temperature: -30C to +80C

ENCRYPTION SPECIFICATIONS

- Single DES
- Triple DES
- MasterSession
- DUKPT (Derived Unique Key Per Transaction)
- MAC (Message Authentication Code)
- Double Length Keys

CERTIFICATIONS

- ANSI 3.92 - 1981 and ANSI 9.25 - 1998
- ANSI 9.24 - 1998 and ANSI 9.24 - 2002
- Interac IDP Certification Number EWA-2004-010

COMMUNICATION

- RJ-11 port on keypad
- ASCII

GRAPHICS

- Engraved and backfilled for long life
- English and French graphics
- Pip on 5 for visually impaired users

CONSTRUCTION

- All-metal chrome keypad
- Excellent tactile and audio feedback
- Vandal resistant design
- Sealed to IP65 / NEMA 4 from the front
- Key Cycle Operational Life: 4 million cycles

RECOMMENDED UNDERPANEL MOUNTING DETAILS AVAILABLE UPON REQUEST

LCD DISPLAY

- 2 x 20 characters
- French and English prompts
- Sealed and protected by Lexan window
- Illuminated during PIN entry

FRONT BEZEL

- 3.5mm alluminum
- Powder coated

POWER

- Voltage: 7.5V DC (min); 12V DC (typ); 15.0V DC (max)
- Current: 15mA (typ); 30mA (max)
- Battery: 3V

AVAILABLE ACCESSORIES (with part numbers)

Power Supply	02487-01
9-Pin Cable	02308-01
25-Pin Cable	02307-01
Gasket	1K16C104-C-D-G
Programmer's Manual	1K16C104-C-D-PM

MGR Industries, Inc.
 3013 E. Mulberry St., Ft. Collins, Colorado, USA, 80524
 PH: 970-221-2201 • FAX: 970-484-4078
 EMAIL: contact@mgrind.com • WEB: www.mgrind.com

* Tolerance +/- .05 mm