Protege Alphanumeric LCD Keypad



The Protege Alphanumeric LCD Keypad provides a user friendly human interface to the Protege integrated system, delivering seamless and powerful integration of access control, security and building automation.

In addition to sophisticated access features the keypad incorporates system monitoring and control. Authorized users are able to perform arming and disarming, monitor inputs, control outputs and manage user access, all from the convenience of the keypad.

Feature Highlights

- Securely log in with customizable user codes
- Supports dual credential entry (User ID + PIN)
- Combine with a card reader for two-factor authentication (Card + PIN)
- Users conveniently update PIN codes at the keypad
- Advanced users can add, modify and delete users to quickly provide or withdraw access
- Time & attendance display option
- Intuitive menu provides scrollable options according to user security level, with quick access keys for the power user
- Dual code functions for secure ATM and banking vault area access with automatic timeout and delayed opening
- Individual reportable duress code for each keypad
- Reportable panic event

Arming/Disarming

The keypad allows a user to arm and disarm an area or group of areas:

- Area progress is shown on the LCD display, which guides the user through the arming or disarming procedure with user friendly plain text messages
- Easily view open system inputs during the pre-arming phase
- Local display of user area for quick confirmation of arming and disarming
- Direct input bypass option

System Object Control and Monitoring

Monitoring of all objects within the system can be achieved from the keypad:

- Monitor the status of any door, user (antipassback), input or output directly
- Offline functions allow quick key menu functions to be performed on objects used for automation (lights, HVAC, gates, doors)
- Single automation quick key for REX (Door Request to Exit) or output activation

Protege WX User Management

For keypads connected to Protege WX systems, user management functionality provides a quick and convenient way to manage users at the keypad.

Users can change their PIN code at any time, and enforced periodic expiry of PIN codes can be configured to improve system security.

Authorized users are able to add new users with immediate access, modify incorrect user settings, and delete user records to immediately withdraw access.

This feature is not available in keypads connected to Protege GX.

Dual Credential Security

To provide an increased level of security, a site can be configured to require dual credential authentication for user access to keypads.

A reader can be added to require both card and PIN validation, or the keypad can be configured to require both user ID and PIN.

The site can also specify PIN complexity rules and enforce automatic periodic PIN expiry to ensure regular changing of PIN codes.

Auto Logout Confirmation

The keypad can be programmed for a custom auto logout time specific to each station.

Time & Attendance

The Time & Attendance feature enables entry, exit, and even break times to be displayed on the keypad, providing users with a clear and definitive view of their recorded start and finish times.

Connectivity and System Expansion

Expanding the Protege system with local input and output from the keypad allows convenient and cost effective expansion with these additional benefits:

> 4 inputs which can be used to perform any system alarm and automation functions with a dedicated enclosure tamper switch
> 1 low current output for driving any signaling device
> Configuration and addressing of the keypad is achieved by an easy to follow configuration menu available during initialization

Communication

A single RS-485 communication interface port used for all network communication functions and interconnection to other modules.

Technical Specifications

Ordering Information	
PRT-KLCD	Protege Alphanumeric LCD Keypad
Power Supply	
Operating Voltage	11VDC to 14VDC
Operating Current	38mA (59mA Max)
User Interface	
User Interface Display	Energy Smart Backlit LCD 16x 2 Alphanumeric Display with Enhanced Viewing Angle
User Interface Keypad	Energy Smart Backlit 24 Key Multi-Function Silicone Membrane
User Interface Keypad	Armed, LED Ready and LED Beeper
Inputs and Outputs	
Inputs	2 standard or 4 using Duplex mode
Outputs	1 Open Collector (50mA Max) Output. Programmable for all output functions.
Dimensions	
Dimensions	126 x 139 x 24mm (4.96 x 5.47 x 0.9")
Net Weight	265g (9.3oz)
Gross Weight	305g (10.8oz)
Operating Conditions	
Operating Temperature	UL/cUL 0° to 49°C (32° to 120°F) : EU EN -10° to 55°C (14° to 131°F)
Storage Temperature	-10˚ to 85˚C (14˚ to 185˚F)
Humidity	0%-93% non-condensing, indoor use only (relative humidity)

Regulatory Notices

For a full regulatory and approval list please visit the ICT website.

RCM (Australian Communications and Media Authority (ACMA))

This equipment carries the RCM label and complies with EMC and radio communications regulations of the Australian Communications and Media Authority (ACMA) governing the Australian and New Zealand (AS/NZS) communities.

AS/NZS 2201.1 Class 5

Protege systems conform to AS/NZS 2201.1:2007 Class 5 intruder alarm systems standards for the construction, operation, performance and installation of intruder alarm equipment and systems installed in clients' premises.

CE – Compliance with European Union (EU)

Conforms where applicable to European Union (EU) Low Voltage Directive (LVD) 2014/35/EU, Electromagnetic Compatibility (EMC) Directive 2014/30/EU, Radio Equipment Directive (RED)2014/53/EU and RoHS Recast (RoHS2) Directive: 2011/65/EU + Amendment Directive (EU) 2015/863.

This equipment complies with the rules of the Official Journal of the European Union, for governing the Self Declaration of the CE Marking for the European Union as specified in the above directives.

Security Grade 4, Environmental Class II, EN 50131-1:2006+A2:2017, EN 50131-3:2009, EN 50131-6:2008+A1:2014, EN 50131-10:2014, EN 50136-1:2012, EN 50136-2:2013, EN 60839-11-1:2013, Power frequency magnetic field immunity tests EN 61000-4-8, Readers Environmental Class: IVA, IK07.

UK Conformity Assessment (UKCA) Mark

This equipment carries the UKCA label and complies with all applicable standards.

UL/cUL (Underwriters Laboratories)

- UL1610 for Central-Station Burglar-Alarm Units
- UL294 for Access Control System Units
- CAN/ULC S559 for Fire Signal Receiving Centres and Systems
- CAN/ULC S319 for Electronic Access Control Systems
- CAN/ULC S304 for Signal Receiving Centre and Premise Burglar Alarm Control Units

Federal Communications Commission (FCC)

FCC Rules and Regulations CFR 47, Part 15, Class A.

This equipment complies with the limits for a Class A digital device, pursuant to Part 15 of the FCC rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference; (2) This device must accept any interference received, including interference that may cause undesired operation.

Industry Canada

ICES-003

This is a Class B digital device that meets all requirements of the Canadian Interference-Causing Equipment Regulations.
Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

CAN ICES-3 (B)/NMB-3(B)

Designers & manufacturers of integrated electronic access control, security and automation products.
Designed & manufactured by Integrated Control Technology Ltd.
Copyright © Integrated Control Technology Limited 2003-2026. All rights reserved.

Disclaimer: Whilst every effort has been made to ensure accuracy in the representation of this product, neither Integrated Control Technology Ltd nor its employees shall be liable under any circumstances to any party in respect of decisions or actions they may make as a result of using this information. In accordance with the ICT policy of enhanced development, design and specifications are subject to change without notice.