APEX Keypad Feature List

Category	Feature	Benefit
General	Low Power Consumption	Can Utilize the same cabling and central power supply as the rest of the system to eliminate hundred of dollars in installing local high voltage electrical outlets at every location.
	Ease of Use	Simple to use keypad or card swipe with codes ranging from 1 to 9 digits long. Visual display on every keypad to give the proper feedback to the user.
	Attractive State of the Art Design	Very appeasing modern look
	RS-485 Data Communication	Allows keypads to be located up to 4,000 ft away with out additional signal amplifiers
Durability	Chromium Plated Metal Keypads with integrated backlighting	Numbers will never wear off and still provides a tactile feel as well as vandal resistant. The backlighting allows for easy nighttime use.
	Thick 1/8" Aluminum Construction	Will not rust and resists vandals
	1 coat UV Resistant Powder coated Base Coat	Resists Chipping and Pealing
	1 Coat UV Resistant Clear Coat	Resists Fading
	Watertight Construction	Resists Moisture related problems
	Stainless Hardware	Will not rust
	Stainless Intercom Button	Will not rust
	Industrial Intercom Button	Resists tampering and pre-mature failure
	Tamper Resistant Mounting Screws	Resists Vandals
	20 Ohm Polypropylene Speaker	Moisture and sunlight resistant For use with LEF or NEM intercom series built in
	Integrated Tamper Switch	Allows feedback when tampered without adding an external sensor.

APEX Keypad Feature List

Night Time Use:	Illuminated Metal Keys	Ensures proper numbers are entered
	Illuminated Intercom Button	Easy to locate call button
	4 line 40 Character Backlit Display	Easy to read message center. Most traditional displays have a single direction from which the display is best viewed. The APEX display is a special type that allows easy viewing from any angle.
Lightning Protection:	MOV's	These devices are the first line of defense against incoming power surges. They absorb a large amount of energy and direct it away from the electronics.
	Poly Fuse	These devices are fuses that will trip when a power surge enters the system and will effectively prevent it from reaching the electronics. They will reset automatically when the surge is no longer present.
	Transzorb	These are very fast acting devices that work with the polyfuses to block power surges from reaching the electronics.
Program Features:	Customizable Display	Create Your Facility Name or Special Messages lets your customer be aware of their access status.
	Keypad Programmable	Eliminates Switches and allows all programming changes to be made with out removing the keypad from the housing.
	Programmable Baud Rate	Allows for multiple applications where a different communication rate may be necessary
	Password Protected	Keeps your settings safe and ensures no one can tamper with the keypad
	Tamper Switch Enable/Disable	Allows for repairs to the system with out the nuisance of an alarm

APEX Keypad Feature List

Secure Code Entry on/off	Secretly enter your code with out anyone seeing the numbers entered on the display
Beep with key press on/off	Provides Additional feedback other than just a tactile feel to help ensure that codes are not entered erroneously.
Beep with Access yes/no	Provides an Audible to alert the user of a valid or invalid code as well as the Display feedback.
Sound Buzzer with Alarm yes/no	Provides an Audible at selected keypads if desired. This can eliminate the need for added sirens at remote location.
Current Languages	Display messages in English, French, Spanish, Italian, German, Dutch, Portuguese and Japanese. More languages will be added.
Date Format:	Choose between European (dd/mm/yyyy) or US date (mm/dd/yyyy) Formats
Time Format:	Choose between Standard 12 hr. format or Military 24 hr. format for the clock display
Dual Programmable Relay outputs:	Relay 1 and relay 2 can operate separate functions. Relay #2 can be: Aux output (can be activated by any other remote device), Slave to Relay #1 (duplicates the timing functions of Relay #1), Different Hold Time (allows for controlling different devices that require a different time than Relay #1), Alarm Output (provides a contact closure during an alarm), Hold Open by Time (eliminates the need for costly external 7 day timers), Door Holder (provides an output to hold a door open for a specified amount of time). This prevents the need for additional costly ancillary timers and switches.
Max Attempts before Lockout:	Each keypad can be locked out after a specified number of wrong attempts to prevent someone from "guessing" an access code.
Trip Relay Offline yes/no	Allows each keypad to be set up to activate Relay #1 in the event of a communication failure between the keypad and the Falcon or CPU.
4 Standard Alarm Mux inputs	Provides for an easy connection for providing additional door inputs for individual door alarming.

APEX Keypad Feature List

4 Standard Programmable Inputs	Request to Exit	Provides an input to activate a door strike or device when activated. The event will be permanently recorded into the activity log and becomes part of the history. This feature saves hundreds of dollars in switches and timers to perform the same function.
	Door Alarm	A programmable timed alarm that will provide an event to the history and sound an alarm if a door is held open too long. This ensures that your facility is secure and users are not propping doors open.
	Presence Input Request	Provides a lockout to the functions of the keypad if a closure is not detected. This can be used to prevent persons from walking up to the keypad and using it on a vehicle gate.
	Intercom Call Request	This input will provide an event history to indicate someone activated the call button on one of the keypads. When used with the graphics system will allow for a visual aid as to where the call is coming from.
Environmental	Operating Temperature	-40°C to +80°C Suitable for Indoor and Outdoor installations.