The EntryCheck™ 923PW narrow indoor/outdoor Wiegand proximity reader with integral digital keypad is designed to interface with most Access Control Systems. It offers a 125KHz HID-compatible proximity reader with standard 26-bit Wiegand output. The built-in keypad may be programmed to output 26-bit Wiegand data, or a 4-bit word for high-security applications that require dual authentication (Card + PIN).

The backlit keys are bright and easy-to-read. A heavy cast, vandal resistant housing design with narrow mounting plate allows the 923PW to be mounted on a rugged surface, mullion, or on a recessed single-gang electrical box.

Two long lasting solid state LED indicators show the status of the system. The left bi-color indicator lights red to indicate power, or green to indicate an authorized access (controlled externally by host). The right indicator flashes yellow to indicate that the keypad is in programming mode.

**Features**
- 12 key illuminated 2x6 digital keypad with configurable illumination: always on, timed, off
- HID-compatible (125KHz RFID) proximity reader
- Suitable for Indoor/Outdoor use: Weather & vandal resistant
- Standard 26-bit Wiegand output for universal compatibility
- Programmable Site Code
- Programmable Keypad Operation:
  - 26-bit Wiegand, or
  - 4-bit word
- Surface, mullion, or recessed single-gang mount
- Built-in tamper switch
- Two LED status indicators
- Audible annunciation of keystrokes with adjustable sound level: normal, low, off
- Tactile metal keys
- Includes wiring harness
- Optional privacy & rain shroud available

**Specifications**
- Operating Voltage: 5 - 16 Volts DC
- Current Consumption: 30mA (typical), 60 mA (max)
- Operating Temperature: -4° to 140°F (-20° to 60°C)
- Humidity: 5% to 95% non-condensing
- Dimensions (H x W x D): 7.3125" x 1.75" x 1.375", (1.4375" wall projection)
- Housing: Weather-resistant cast metal
- Cabling: 6" wiring harness
- Reader Output: 26-bit Wiegand
- Keypad Output: 26-bit Wiegand or 4-bit word
- Max. Cable Distance to Host: 328ft (100m) @12VDC, 100ft (30m) @ 5VDC, using 18AWG cabling
- Recommended cable (shielded, multi-conductor) or equal:
  - Belden 5504FE (6 Cond)
  - Belden 5506FE (8 Cond, for Tamper Switch)
- Tamper switch: Form “C”, 1A @ 30VDC
See Fig. 3 for an example of a basic door installation. The 923PW is mounted adjacent to the door. An electric door strike is mounted in the door jamb to release the door lock. A magnetic switch is mounted on top of the door jamb for detecting when the door is open. The access host controller is located at a maximum distance of 300ft of the keypad reader, depending on the reader voltage provided. Refer to the Fig. 4 or Fig. 5 for wiring details.

To avoid damage to the unit from static discharges, connect the mounting plate to a good earth grounding point. Suggested wiring size is 18 AWG for earth ground.
FACTORY DEFAULTS

Master Programming Code: 123456
Keypad Output Mode: 26-bit Wiegand
Keypad Output Site Code: 000
Beeper Sounds When Key Pressed: Yes
Beeper Volume: Normal
Keypad Backlight Mode: 30 sec after activation
Keypad Timeout: 5 sec

PROGRAMMING COMMANDS

Enter Programming Mode before performing any of the following commands.

Changing the 6-Digit Master Programming Code

It is recommended that the Master Programming Code be changed after the installation is finalized.

Press: 98 # Master Code # Master Code #
Master Code = The new 6-digit Master Programming Code

Beeper Sounds on Keystrokes  Default: Yes

Selects whether or not the keypad beeps as each key is pressed.

Press: 40 # Sound #
Sound=1 for Yes, =0 for No

Selects mode for Keypad LED Backlight  Default: 30 Secs.

Selects whether or not the keypad back light stays OFF, lights for 30 seconds when activated or stays ON.

Press: 52 # Output #
Output = 0, Light always OFF
= 1, 30 sec light when activated (default)
= 2, Light always ON

Change Facility (Site) Code  Default: 000

Selects the Site Code when using the Keypad in Wiegand Mode.

Press: 82 # Site Code #
Site Code = New 3-Digit Site Code (000-255)

Change Keypad Operation Mode  Default: Wiegand Mode

Selects the Keypad Operation Mode.

Press: 83 # Mode #
Mode = 0, Wiegand Mode
= 1, PIN Mode

NOTE: Once the keypad is placed into PIN Mode, it can only be returned to the default Wiegand Mode by following the Master Reset procedure below.

Resetting the Master Code

STEP 1 Remove the 923PW from the wall and disconnect power from the keypad.
STEP 3 Re-apply power. You will get a single beep and the yellow LED will flash momentarily.
STEP 4 Replace jumper on JP2. The Master Code is now 123456.
MULLION MOUNT

WALL MOUNT

GASKET
MOUNTING PLATE

SURFACE MOUNT

4X Mount at holes
With supplied screws and hole expansion anchors