



**ultraProx™**

## Ness Ultraprox W1-B

The Ness UltraProx W1-B is a single door stand alone multifunction access controller Keypad and Card Reader with Weigand output.

With both relay output for stand alone operation AND Weigand output for when connecting to 3rd party Access Controllers or security systems, this vandal resistant, weatherproof access system provides great flexibility for any application.

It is suitable for mounting either indoors or outdoor in harsh environments. It is housed in a strong, sturdy vandal Alloy electroplated case. The Electronics are fully potted so the W1-B is waterproof and conforms to IP68. With its blue LED backlit keys it makes it a flexible keypad to be used day or night.

When using as a Weigand output the keypad / reader support unlimited number of codes or cards.

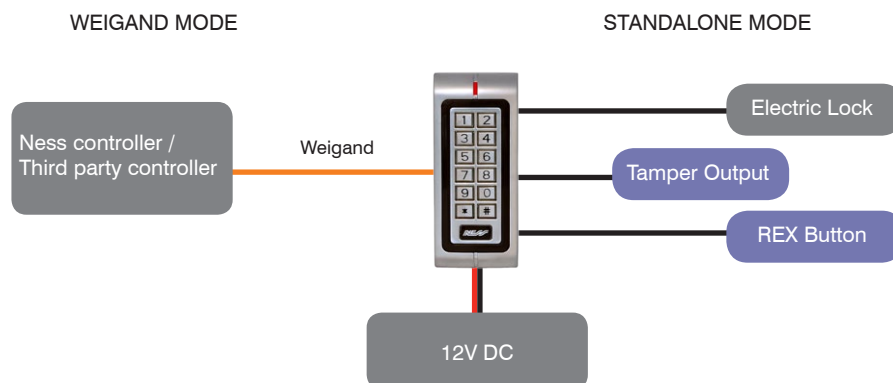
When used as a stand alone keypad / Card reader using the inbuilt controller it supports up to 2,500 users in either Card, 4 Digit PIN, or a Card + Pin.

These features make the W1-B an ideal choice for door access not only for small shops, domestic households but also for commercial and industrial applications such as factories, warehouses, schools, kindergartens, banks and prisons.

### WATERPROOF ACCESS CONTROL KEYPAD / CONTROLLER

- **Standalone or Weigand operation**  
Use with Ness M1 or other access controllers or as a standalone a single door solution
- **IP68 Waterproof**  
For outdoor use in harsh environments
- **Super Fast Operating Speed**  
Prevents bottle-necks during peak times
- **Flexibility in Operation**  
PIN only - CARD only or PIN+CARD operation
- **Tough Metal Housing**  
Allows installation in public areas
- **Installer and User Friendly**  
Fully programmable via keypad in standalone mode  
Block enrolment can enrol 2500 cards within 3 minutes

## System Configuration



## Specifications

Part Number	101-095
User Capacity	2500 users
Standalone mode	Unlimited
Weigand mode	
Cards Supported	125 KHz EM Proximity Cards
Operation Modes	Card or PIN / Card and PIN (In standalone mode)
Reading Speed	<20ms with 2500 users
Programming	
Stand alone mode programming	Via keypad
Block Enrolment	Enrol max. 2500 consecutive cards within 3 minutes
Programmable Timers	Door Open time 0~99sec Alarm time 0~3min Door Open Too Long time
Outputs	
Lock	Output load max. 2A
Tamper	Output load max. 2A
Weigand	Industry standard Weigand data
Keypad Type	Metal Keys with blue backlighting
Anti-Tamper	Built-in LDR with tamper output
Wiring Connections	Weigand Output Relay N/O, N/C for electric lock Exit button DOTL External alarm
Operating voltage	12V DC
Current draw	<80mA active, <40mA idle
Operating Temperature	-25 ~60°C
Operating Humidity	5% ~ 95% RH
Environmental	IP68 Weatherproof
Construction	Zinc Alloy Electroplated Anti-Vandal
Dimensions	58(W) X 135(H) X 26(D) mm