

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 confirms 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

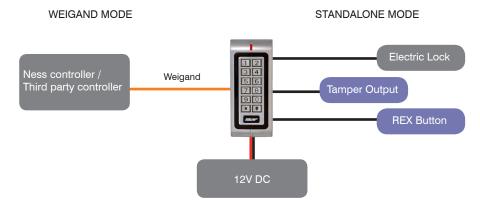
- Standalone or Weigand operation
   Use with Ness M1 or other access controllers or as a standalone a single door solution
- IP68 Waterproof
  For outdoor use in harsh environments
- Super Fast Operating Speed Prevents bottle-necks during peak times
- Flexibility in Operation
  PIN only CARD only or 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

User Capacity Standalone mode Weigand mode  2500 users Unlimited  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 Block Enrolment  Programmable Timers  Door Open time 0~99sec Alarm time 0~3min Door Open Too Long time  Outputs Lock Tamper Weigand  Metal Keys with blue backlighting  Anti-Tamper  Built-in LDR with tamper output  Wiring Connections  Weigand 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	Part Number	101-095
Operation Modes         Card or PIN / Card and PIN (In standalone mode)           Reading Speed         <20ms with 2500 users	Standalone mode	
Reading Speed <20ms with 2500 users  Programming Stand alone mode programming Block Enrolment  Programmable Timers  Door Open time 0~99sec Alarm time 0~3min Door Open Too Long time  Outputs Lock Tamper Weigand  Anti-Tamper  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  Operating Temperature  -25 ~60°C  Operating Humidity  5% ~ 95% RH  Environmental  IP68 Weatherproof  Construction  Via keypad Enrol max. 2500 consecutive cards within 3 minutes  Via keypad Enrol max. 2500 consecutive cards within 3 minutes  Via keypad Enrol max. 2500 consecutive cards within 3 minutes  Via keypad Enrol max. 2500 consecutive cards within 3 minutes  Via keypad Enrol max. 2500 consecutive cards within 3 minutes  Output load max. 2A Output load max. 2A Output load max. 2A Industry standard Weigand data  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	Cards Supported	125 KHz EM Proximity Cards
Programming Stand alone mode programming Block Enrolment  Programmable Timers  Door Open time 0~99sec Alarm time 0~3min Door Open Too Long time  Outputs Lock Tamper Weigand  Anti-Tamper  Miring Connections  Weigand Output  Wiring Connections  Weigand Output  Relay N/O, N/C for electric lock Exit button DOTL External alarm  Operating voltage  12V DC  Current draw  Operating Temperature  -25 ~60°C  Operating Humidity  From Metal Keypad Enrolment Standard Weigand data  Via keypad Enrol max. 2500 consecutive cards within 3 minutes  Output load max. 2A Output load max. 2A Output load max. 2A Industry standard Weigand data  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	Operation Modes	Card or PIN / Card and PIN (In standalone mode)
Stand alone mode programming Block Enrolment  Programmable Timers  Door Open time 0~99sec Alarm time 0~3min Door Open Too Long time  Outputs Lock Tamper Weigand  Industry standard Weigand data  Keypad Type  Metal Keys with blue backlighting  Anti-Tamper  Wiring Connections  Weigand Output  Wiring Connections  Weigand Output  Current draw  Operating voltage  12V DC  Current draw  Operating Temperature  -25 ~60°C  Operating Humidity  Environmental  IP68 Weatherproof  Construction  Dor Open time 0~99sec Alarm time 0~9sec Alarm	Reading Speed	<20ms with 2500 users
Alarm time 0~3min Door Open Too Long time  Outputs Lock Tamper Weigand Weigand Metal Keys with blue backlighting  Anti-Tamper Wiring Connections Weigand Output Relay N/O, N/C for electric lock Exit button DOTL External alarm  Operating voltage 12V DC  Current draw  Operating Temperature -25 ~60°C  Operating Humidity  Fixed Alloy Electroplated Anti-Vandal	Stand alone mode programming	
Lock Tamper Weigand Weigand Weigand Weigand Weigand Wetal 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	Programmable Timers	Alarm time 0~3min
Anti-Tamper  Built-in LDR with tamper output  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	Lock Tamper	Output load max. 2A
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Operating Temperature -25 ~60°C  Operating Humidity 5% ~ 95% RH  Environmental IP68 Weatherproof  Construction Zinc Alloy Electroplated Anti-Vandal	Operating voltage	12V DC
Operating Humidity 5% ~ 95% RH  Environmental IP68 Weatherproof  Construction Zinc Alloy Electroplated Anti-Vandal	Current draw	<80mA active, <40mA idle
Environmental IP68 Weatherproof  Construction Zinc Alloy Electroplated Anti-Vandal	Operating Temperature	-25 ~60°C
Construction Zinc Alloy Electroplated Anti-Vandal	Operating Humidity	5% ~ 95% RH
	Environmental	IP68 Weatherproof
Dimensions 58(W) X 135(H) X 26(D) mm	Construction	Zinc Alloy Electroplated Anti-Vandal
	Dimensions	58(W) X 135(H) X 26(D) mm



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