



NESS ACCESS CONTROL

Tough Weatherproof Keypads Anti-Vandal Backlit PIN Reader/Controller Weigand Output or Relay Output

Part of the Convertible line of readers / controllers, these keypads can be operated either in weigand data mode or as a standalone unit with relay output.

The 101-076 AYC-Q54B model has a PIN keypad.

The 101-090 AYC-Q64B model has a PIN keypad and an EM format proximity reader onboard.

In **READER MODE** the units output standard 26bit weigand data to any standard access controller, (such as Ness IP Series or Ness M1.)

In **CONTROLLER / STANDALONE MODE** the units control a relay output and Aux output and also features a REX input and door monitor. Controller Mode requires a 101-178 Intelligent Power Supply / Relay Unit (sold separately).

A most effective solution for indoor and outdoor access systems where PIN credentials or PIN & Prox are required.



PIN

101-076
101-090



PROX

101-090

SPECIFICATIONS	101-076	101-090
KEYPAD	3x4 illuminated piezoelectric keys	
PROXIMITY READER	N/A	ASK Modulation, 125kHz
CARD COMPATIBILITY	N/A	26bit EM cards
READER MODE	LED Control: Dry contact, N.O. Facility Code: Programmable. PIN Code Formats: 8 selectable formats, from single to 8 digit PIN Codes.	
CONTROLLER MODE	Interface: Requires 101-178 Intelligent PSU. Capacity: 500 Users, single/dual PIN code each. User Levels: Normal, Secure and Master. Security Modes: Normal, Bypass and Secure. Outputs: Lock Strike output, Aux output (via 101-178 Intelligent PSU). Inputs: REX (Request to Exit) Auxiliary/Door Monitor with 10 programmable modes.	
AUDIO/VISUAL	Two tri-color LED indicators, Built-in buzzer.	
TAMPER	Optical back tamper sensor.	
ENVIRONMENTAL	All weather, indoor and outdoor use, meets IP65.	
CONSTRUCTION	Epoxy potted, fully sealed in a rugged metal enclosure, blue backlit metallic keys. Suitable for extremely harsh environments.	
OPERATING VOLTAGE	Reader Mode: 5 to 16VDC from a standard controller Controller Mode: Supplied by 101-178 Intelligent PSU.	
CURRENT DRAW	110mA max.	130mA max.
OPERATING TEMP	-30°C to +65°C	
DIMENSIONS	120 x 76 x 21mm	
WEIGHT	480g	160g

- 26bit Weigand Output ...
- ... or Relay Output via optional 101-178 PSU
- Supports 4 to 8-Digit PIN credentials
- Smooth, attractive design, with all-weather indoor and outdoor operation
- Large, highly-visible BLUE Backlit Keypad
- 2 x Tri-colored LEDs and an integral sounder
- User friendly menu, based on keypad, LED and sounder indicators
- Back and cover Optical tamper detection.
- Can be used with the Ness 101-178 intelligent PSU converting it into a 500-user stand-alone controller with secure relays.
- 8 Selectable PIN transmission modes including options for Key stream, Binary, Parity, and 3x4 Matrix
- Supplied with a mounting and drilling label, security screw, and tool set to prevent unauthorized opening
- Extra long 60cm shielded interface cable

101-076	AYC-Q54B PIN KEYPAD
101-090	AYC-Q64B PIN KEYPAD & PROX READER
101-178	PS-25T INTELLIGENT POWER SUPPLY

Reader Mode



101-076 / 101-090

26-bit Weigand output

Controller Mode



101-076 / 101-090

Relay output
Aux output
REX input

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