MICRON 'EZEPROX' ACCESS CONTROL KEYPAD

FEATURES:

- Programmable Master Code (up to 6 digits long) to program EzeProx.
- Capable of learning a mix of up to 500 proximity cards and tags.
- Programmable as card access, code access or card + code access
- Ninety programmable access codes, each up to 6 digits in length.
- Technician code. Disables / enables all keypad functions including beeper output. Technician control of outputs 1 or 2.
- No relay required for output #1. Drives ‘strikes’ or ‘mag locks’ direct.
- Outputs are programmable for latching or momentary operation.
- Bell output . Activated when the 'star' key is pressed.
- Two LED’s. Output #2 LED may be selected for external control and/or slaved to output 2.
- LED indicator for power on and programming status.
- Night lock facility for ‘multi level’ lock disable.
- Egress entry input. Use to activate output #1.
- Audible indication of key-presses and programming progress.
- Retains all programmed data when powered down.

DESCRIPTION OF THE FEATURES:

Night Lock

When a night lock code is entered for a specific output (1 or 2), the keypad will not accept any proximity cards or tags or **non** night lock codes that control that output, or signals from the egress input, until another night lock code is received.

Bell Output.

This output pulls to ground when the 'star' key is pressed. The output remains active until the 'star' key is released.

Egress Input

When this input is pulled to ground, Output 1 will activate.

Technician Code (Default code **110000**)

Any one of the following control digits may follow the T code.

1 = activate output 1.
2 = activate output 2.
3 = activate outputs 1 and 2.
8 = unlock keypad.
9 = lock keypad. Keypad ceases normal operation.

LED OPERATION:

The green power LED;

- Remains steady during normal operation.
- Flashes during programming.
- Flashes when awaiting an area number for area selectable codes.
- Is **not** illuminated when learning a proximity card or tag.
- Flashes quickly when the unit is resetting to factory defaults.

The red lock LED's illuminate when a correct card or tag is presented to the reader, or when a correct access code is entered.

The red 'lock 2' LED may also be switched on by switching the 'blue' control wire to ground (-ve).

BEEPER OPERATION:

Normal Operation.

- Normal keypress - keypad beeps once when a key is pressed.
- Valid code, proximity card or tag received - keypad beeps three times.
- Invalid code, proximity card or tag received - keypad gives 1 long beep.

Programming;

- Beeper beeps once on each key press.
- Beeper beeps twice for a correct entry.
- Beeper beeps one long beep on an incorrect entry.
- Beeper beeps three times for a successful completion of a programming sequence.

Shunt:

There is one shunt on the back of the circuit board. This provides a method of entering programming mode when the master code has been lost or forgotten.

Programming entry - If this shunt is closed ***when power is applied*** the keypad will jump into programming mode when the shunt is reopened. While the shunt is closed the keypad will beep continuously until the shunt is removed.

If all else fails - In the event of a catastrophic programming error that leaves EzeProx inoperable the following method may be used to default **ALL** programming back to factory settings.

1. Remove power from EzeProx. Short the programming shunt pins.
2. Apply power. EzeProx beeps continuously. Remove the short. Beeper stops.
3. Momentarily short the programming shunt. EzeProx beeps TWICE.
4. Momentarily short the shunt pins again. The mains LED flashes rapidly until defaults have been restored (about 20 seconds). EzeProx beeps THREE times.

KEYPAD OPERATION: Programming

Master Code: (default **0000**)

- (old master **code**)+ **#** + **00** + **#** + (new master **code**) + **#** .

User Access Codes:
- (master **code**) + **#** + (**id**) + **#** + (new access **code**) + **#** + (**user code status**)

User Code Status

1	Operates output 1.
2	Operates output 2.
3	Operates output 1 and 2 simultaneously.
4	Operates output 1 or 2.
5	'Nite Lock' output 1.
6	'Nite Lock' output 2.
7	'Nite Lock' outputs 1 and 2.

Learn a Proximity Card or Tag:
- (master **code**) + **#** + **96** + **#** + (present **card or tag** to be learnt) + (id number) + **#** + (output number) + #

Block Learn Proximity Cards or Tags:
- (master **code**) + **#** + **90** + **#** + (start card or tag ID) + **#** + (end card or tag ID) + **#** + (output number) + **#** + (present each card or tag to the unit once only)

EzeProx will beep twice after each card or tag and beep three times for the final tag.

Delete a Card or Tag by Proximity:
- (master **code**) + **#** + **93** + **#** + (present card or tag to be deleted)

Delete a Card or Tag by ID Number:
- (master **code**) + **#** + **94** + **#** + (card or tag ID number) + **#** + (card or tag ID number) + **#**

Selecting Programming Options:
- (master **code**) + **#** + **97** + **#** + **option** + **option** + **#** (enter all options required then **#**)
  0 = 60 second lockout after 8 incorrect attempts
  1 = reverse output #1 (normally off, reverse for 'mag locks')
  2 = card + code operation

Technician Code: (default **110000**)
- (master **code**) + **#** + **98** + **#** + (new tech **code**) + **#**

Output Operation:
- **(**master **code**) + **#** + **99** + **#** + (output **number**) + (output control **number**)

Delete User-code by Code:
- (master **code**) + **#** + **91** + **#** + (User **code** to be deleted) + **#**

Delete User-code by ID Number:
- (master **code**) + **#** + **92** + **#** + (ID number of **code** to be deleted) + **#**

Output Control

1	Momentary 0.5 second.
2	Momentary 1 second.
3	Momentary 2 second.

4 Momentary 4 second.
5 Momentary 8 second.
6 Momentary 16 second.
7 Momentary 32 second.
8 Latch / Unlatch output (no fast arm permitted)
9. Latch / Unlatch output (fast arm permitted)

Operational Procedures.

Operating Outputs:
- (access code) + **#**

Quick Arm:
- output number (**1** or **2**) + **#**

Technician Code Lock:
- (tech code) + **#** + **9**

Technician Code Unlock:
- (tech code) + **#** + **8**

Technician Code Output Operation:
- (tech code) + **#** + (output number)

Wiring

Loom

(white)	Output 2. Sink.	(Loads exceeding 100mA may cause permanent damage)
(orange)	Output 1. Sink.	(3A Continuous, 5A Momentary) See Notes below.
(brown)	No connection.	
(blue)	LED 2 Control	(Switch this wire to Neg Ve to turn on Led 2.)
(green)	Egress Input	(Switch this wire to Neg Ve to activate Egress.)
(yellow)	Bell Output.	(Sink, Max rating 100 mA)
(black)	-12V Input	
(red)	+12V Input	

NOTE1: For high current Output #1 connect heavy loads such as strikes and mag locks **between the red (+ve) and 'orange' (load) wires.** Do not connect the 'orange wire to positive (+ve) or permanent damage will result.

NOTE2: **Sink outputs should have the load connected between the output in use and the positive (+Ve) supply.** The output switches to ground (-Ve) when activated.

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