

NCZ-3201 KEY FOB

User Guide



Product Summary:

Nyce Control's NCZ-3201 is a wireless key fob using the ZigBee radio protocol. It is used in conjunction with a low RF transmit power wireless ZigBee network for access control to other devices operating in a ZigBee Home Automation network.

- Button functions: network commands, state change commands for other devices
- Accurate battery voltage level measurement and reporting back to co-ordinator
- Network operation based on the *ZigBee* open profile Home Automation
- Up to 4 years projected battery life

Troubleshooting:

To improve communication:

- Operate the device closer to the router / director
- Move a ZigBee router / range extender closer to the desired operating area
- Replace battery

Technical Specifications:

- Model Number: NCZ-3201
- Battery Type: 3.0 V CR2032 Lithium coin cell
- RF Frequency: ZigBee channels 11-26, 2.405 - 2.48 GHz
- Operating Temperature: -10°C to 50°C (14°F to 122°F)
- Dimensions: 32mm x 56mm x 6mm

Battery Replacement:

- Remove back cover to expose battery
- Replace with 3.0 volt CR2032 Lithium coin cell battery, noting the correct polarity of the battery

Button Functionality (Generic Commands):

Button Function	Lock Button	Unlock Button	Star Button
1 Tap	ACE: Arm all zones (Endpoint 1)	ACE: Disarm (Endpoint 1)	ACE: Panic (Endpoint 1)
2 Taps	ACE: Arm all zones (Endpoint 2)	ACE: Disarm (Endpoint 2)	ACE: Panic (Endpoint 2)
3 Taps	ACE: Arm all zones (Endpoint 3)	ACE: Disarm (Endpoint 3)	ACE: Panic (Endpoint 3)
Press	ACE: Arm all zones (Endpoint 4)	ACE: Disarm (Endpoint 4)	ACE: Panic (Endpoint 4)
Release	ACE: Arm all zones (Endpoint 5)	ACE: Disarm (Endpoint 5)	ACE: Panic (Endpoint 5)

Button Functionality (Network Commands):

Action	Mode	Action
Press button 1 and button 2 together, then button 1 once	Un-associated to any network	Network Join to Open Std network
Press button 1 and button 2 together, then Button 1 four times	Un-associated to any network	Network Join to C4 Network
Press button 1 and button 2 together, then Button 1 six times	Associated to the network	Leave network
Press button 1 and button 2 together, then Button 1, 10 times	Associated to the network	Restore defaults, leave network
Press button 1 and button 2 together, then Button 1, 10 times	Un-associated to any network	Restore defaults
Press button 1 and button 2 together, then Button 1 two times	any	Indicate network connectivity
Press other than 1,2,4,6 10 times or other button combination	any	Single orange LED flash – unsupported command.

The next press of multiple presses must occur within 1 seconds of the end of the last button press.

Any button held down for more than 1 second will cause the keyfob to disregard the button press.

Press-hold functionality will not be supported – only multi-press.

LED Indicators:

LED Response	Definition
One green flash	Message acknowledged by Coordinator, or button pressed (command mode)
Two green flash	Network join succeeded, or status = joined
One red flash	button pressed (network mode)
2 red flashes	Network leave or status = not joined
3 slow Red flashes, 1 second after other LED signalling is complete	Low battery
One Orange flashes	Unsupported button command
Two Orange Flashes	Network Error
Five Green flash	Successfully reset to factory defaults

All flashes are 250ms in duration. Repeated flashes are each followed by a 250ms pause, unless otherwise indicated. A "slow" flash is 250ms in duration followed by a 1sec pause.

MODEL #: NCZ-3201
FCC ID: Y8R-Z32011
IC ID: 9488A-Z32011



Compliance Statements:

For complete declarations and certifications please visit:

www.nycecontrol.com/compliance

Notices

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions:

(1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Note: the manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.

Changes or modifications not expressly approved by NYCE Control, Inc can void the user's authority to operate the equipment.

This device complies with Industry Canada license-exempt RSS standard(s). Operation is Subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Warranty:

For product warranty information please visit:

www.nycecontrol.com

Support:

For product support please email:

support@nycecontrol.com