This is a user manual for host product manufacturers to use when integrating the module in a host product.

For the module installation to host systems, please follow the instruction below.

1. Insert the FPC or FFC into the connector on the board. The contact of the connector is the bottom contact (board side). Please refer Pin Configuration (Page 5) to the circuit diagram for the pin arrangement of the connector.
2. Align the two holes on the board with the two holes on the main unit side.
3. Tighten the board and the main body together using two screws. Use M2 screws for the screws.

The device shall be installed as described above and is designed to use an integrated antenna. Do not modify the antenna or any other part of the module. Any modifications will invalidate the modular certifications and require new approvals for the host system.

This device complies with below part 15 of the FCC Rules.
Part 15 Subpart C

The modular transmitter is only FCC authorized for the specific rule parts (i.e., FCC transmitter rules) listed on the grant (FCC Part 15.249), and the host product manufacturer is responsible for compliance to any other FCC rules that apply to the host not covered by the modular transmitter grant of certification.
The final host product still requires Part 15 Subpart B compliance testing with the modular transmitter installed.

FCC/ISED Notice for model: NCP04A

The end product must be labeled
"Contains FCC ID: AZD249" and "Contains ISED Certification Number: 498J-249"

Following statement must be included in the user manual of host device.

FCC/ISED NOTICE
Model: ZWAVE Module Model NCP04A, FCC ID: AZD249/IC:498J-249)

This device complies with part 15 of FCC Rules and Industry Canada's licence-exempt RSSs.
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.

Do not make any changes or modifications to the equipment unless otherwise specified in the manual.
If such changes or modifications should be made, you could be required to stop operation of the
equipment.

Specification

General Operating Ratings

・Operating ambient temperature range   : -25C~65C 5%RH~90%RH

・VDD operating supply voltage   : 3.3V±10%

(The wireless controller IC on the module has a built-in power regulator.)

・Operating temperature range: -25C~65C

RF Characteristics

・ Frequency Band   : 902~930MHz

・Channel   : 1~3ch

・Frequency   : 908.40, 908.42, 916.00MHz

■ Pin Configuration

FPC/FFC Connectors
0.5mm pitch 12pin
Bottom contact

VDD	1
VDD	2
UART TX	3
UART RX	4
GND	5
GND	6
/RESET	7
SUSPEND	8
SWCLK	9
SWDIO	10
SWO	11
GND	12