

Wireless Call Systems Specifications List

Wireless Segment Specifications

Item	Specifications
Frequency Band	426.0250MHz-426.1375MHz
Type of radio wave	F1D
Antenna	λ/4 whip antenna
Modulation system	Direct 2-value FSK modulation

* The actual wireless communication distance may vary depending on the environment in use.

AN426R II -TH (Large-Sized 8-Indicator Type)

Indicator Element	8 Indicator Lamps (Indicator Dimensions (H x W) 150 x 100 mm (5.9 x 3.9")) Double-Sided Indicator *3-Color LED (Orange, Red, Green)
Input(s)	2 Non-voltage Contact-Input 1 Reset All / 1 Reset Output
Output(s)	4 Open Collector Outputs (Max. Rated Load DC 35V 50mA) 1 Relay Output (Max. Rated Load AC/DC 30V 0.5A)
Power Source	AC 100-240V (Using included AC Adapter)
Wattage	Max. 90W
External Dimensions	(W x H x D) 1,000 x 300 x 80 mm (39.4 x 11.8 x 3.1") (except any protruding object such as an antenna)
Weight	Approx. 8 kg
Operating Environment	Temperature: 0-40°C Humidity: 85% or less (without condensation)
Code Settings	1,000 Configurations (Channel Numbers:1-10 x Set Numbers:0-9 x Unit Numbers:0-9)
Accessory	1 Antenna

* The model with a speaker is AN426R II -TH-MRD.

AN426RH II -TH (Large-Sized 4-Indicator Type)

Indicator Element	4 Indicator Lamps (Indicator Dimensions (H x W) 150 x 100 mm (5.9 x 3.9")) Double-Sided Indicator *3-Color LED (Orange, Red, Green)
Input(s)	2 Non-voltage Contact-Input 1 Reset All / 1 Reset Output
Output(s)	4 Open Collector Outputs (Max. Rated Load DC 35V 50mA) 1 Relay Output (Max. Rated Load AC/DC 30V 0.5A)
Power Source	AC 100-240V (Using included AC Adapter)
Wattage	Max. 44W
External Dimensions	(W x H x D) 600 x 300 x 80 mm (23.6 x 11.8 x 3.1") (except any protruding object such as an antenna)
Weight	Approx. 5.3 kg
Operating Environment	Temperature: 0-40°C Humidity: 85% or less (without condensation)
Code Settings	1,000 Configurations (Channel Numbers:1-10 x Set Numbers:0-9 x Unit Numbers:0-9)
Accessory	1 Antenna

* The model with a speaker is AN426RH II -TH-MRD.

The indicator numbers are changeable. Please specify the numbers.

Examples

●Case of Calling from 16 Sites



AN426R II -TH

AN426R II -TH

●Case of Calling from 12 Sites



AN426R II -TH

AN426RH II -TH

AN426T II (Transmitter)

Indicator Element	Red LED x 1 (for power alarm) Green LED x 1 (lights during transmission)
Input(s)	4 Push-Button 4 External-Input
Power Source	AC 100-240V (Using included AC Adapter), or size AA battery x 3
External Dimensions	(W x H x D) 120 x 95 x 37.5 mm (4.7 x 3.7 x 1.5")
Weight	Approx. 170g
Operating Environment	Temperature: 0-50°C Humidity: 85% or less (without condensation)
Battery Life	Approx. 250,000 uses
Code Settings	8,000 Configurations (Channel Numbers:1-10 x Set Numbers:0-9 x Unit Numbers:0-9 x ID:1-8)
Accessory	1 AC Adapter

AN426RM II -TH (Medium-Sized 8-Indicator Type)

Indicator Element	8 Indicator Lamps (Indicator Dimensions (H x W) 50 x 90 mm (2.0 x 3.5")) Double-Sided Indicator *3-Color LED (Orange, Red, Green)
Input(s)	2 Non-voltage Contact-Input 1 Reset All / 1 Reset Output
Output(s)	4 Open Collector Outputs (Max. Rated Load DC 35V 50mA) 1 Relay Output (Max. Rated Load AC/DC 30V 0.5A)
Power Source	AC 100-240V (Using included AC Adapter)
Wattage	Max. 33W
External Dimensions	(W x H x D) 600 x 300 x 80 mm (23.6 x 11.8 x 3.1") (except any protruding object such as an antenna)
Weight	Approx. 5.8 kg
Operating Environment	Temperature: 0-40°C Humidity: 85% or less (without condensation)
Code Settings	1,000 Configurations (Channel Numbers:1-10 x Set Numbers:0-9 x Unit Numbers:0-9)
Accessory	1 Antenna

* The model with a speaker is AN426RM II -TH-MRD.

WCL-426R (LAN Connection Type Andon Receiver)

Indicator Element	Red LED x 1 (Power supply monitor) Red / Green 2-color LED x 1 (for wireless communication) Red / Green 2-color LED x 1 (for wired communication)
Interface	RJ-45 Ethernet 10BASE-T or 100BASE-TX (Auto Detection)
Power Source	AC 100-240V (Using included AC Adapter)
Current Consumption	Approx. 120mA
External Dimensions	(W x H x D) 135 x 90 x 35 mm (5.3 x 3.5 x 1.4") (except any protruding object such as an antenna)
Weight	Approx. 380g
Operating Environment	Temperature: 0-40°C Humidity: 35-80% (without condensation)
Setting switch	2P DIP switch x 1 (for normal operation settings) 16P rotary switch x 1 (for channel settings)
Accessory	1 AC Adapter 1 Antenna

Wireless Call Systems



AN426 II -TH

Certified Country: Thailand



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Please contact your nearest distributor.





Wireless Call Systems

Content and Reason for the Call



- To inform of a shortage of production parts
- To transport finished products
- To alert of an unusual occurrence
- To report AGV (automatic guided vehicle) trouble
- To stop a processing machine

People and Objects Being Called



- Staff (Production Line Leaders / Maintenance Staff)
- Forklift
- Tow Tractor
- AGV



AN426R II -TH

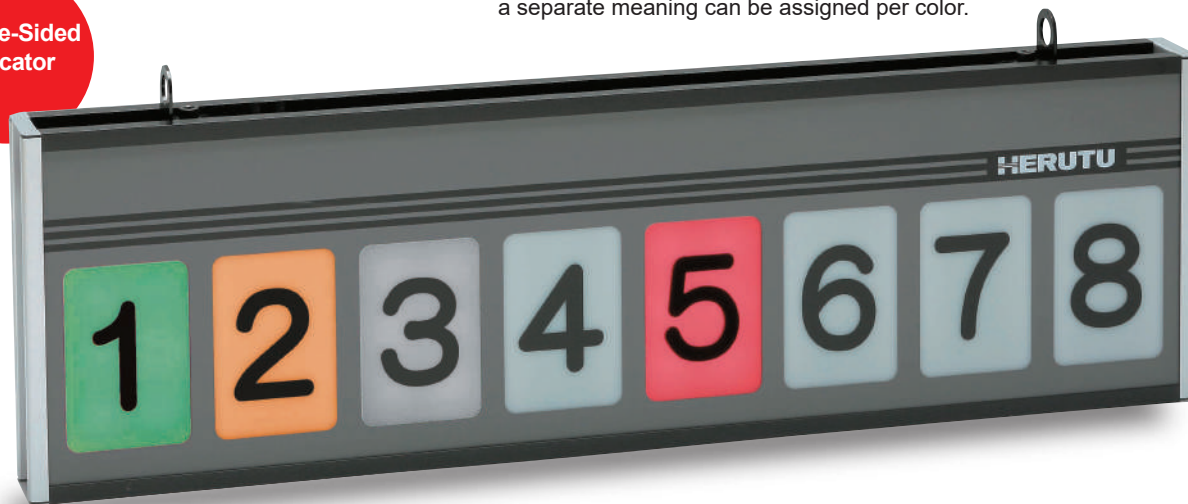
Large-Sized 8-Indicator Type

Communication Distance:
approx. 120m (Indoor)
approx. 300m (Line of Sight)

1-Indicator Dimensions
(H x W) 150 x 100 mm (5.9 x 3.9")

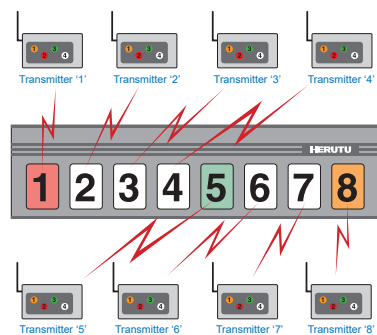
The AN426R II-TH illuminates each Indicator independently for corresponding calls from the transmitter AN426T II. Each transmitter corresponds to one of the indicators. Because the color of each indicator will change according to the input signal of the transmitter, a separate meaning can be assigned per color.

Double-Sided Indicator



Configuration

AN426R II-TH can be used in combination with eight AN426T II transmitters.



Option

In addition to the indicator lights, a speaker can be installed that enables sound notifications. A different melody for each indicator color can be configured (when multiple colors are illuminated, the melody is selected according to the priority order).



AN426R II-TH-MRD

AN426RH II -TH

Large-Sized 4-Indicator Type

Double-Sided Indicator

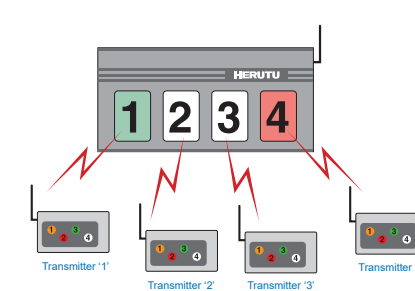


Communication Distance:
approx. 120m (Indoor)
approx. 300m (Line of Sight)

1-Indicator Dimensions (H x W) 150 x 100 mm (5.9 x 3.9")

Configuration

AN426RH II-TH can be used in combination with four AN426T II transmitters.



Option

In addition to the indicator lights, a speaker can be installed that enables sound notifications. A different melody for each indicator color can be configured.

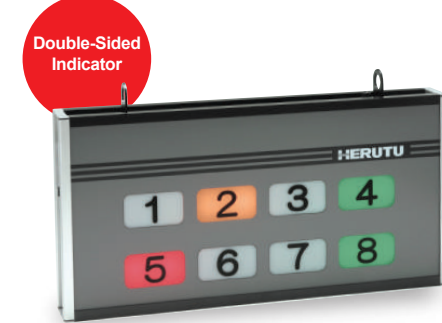


AN426RH II-TH-MRD

AN426RM II -TH

Large-Sized 8-Indicator Type

Double-Sided Indicator

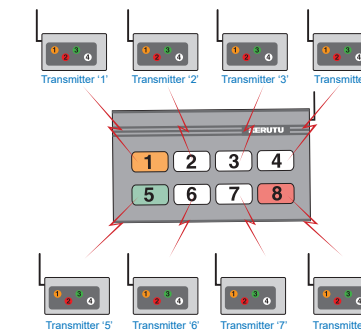


Communication Distance:
approx. 120m (Indoor)
approx. 300m (Line of Sight)

1-Indicator Dimensions (H x W) 50 x 90 mm (2.0 x 3.5")

Configuration

AN426RM II-TH can be used in combination with eight AN426T II transmitters.



Option

In addition to the indicator lights, a speaker can be installed that enables sound notifications. A different melody for each indicator color can be configured.



AN426RM II-TH-MRD

WCL-426R

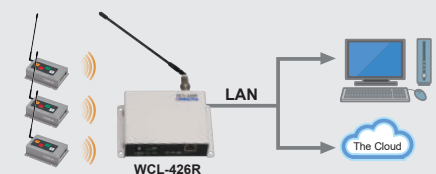
LAN Connection Type Receiver

The WCL-426R can wirelessly receive in real-time trouble occurrence reports transmitted from the AN426T II transmitter installed at the workstations and machines of the production line.



Communication Distance:
approx. 120m (Indoor)
approx. 300m (Line of Sight)

The WCL-426R can externally output the received reports of trouble occurrences via LAN. By utilizing and analyzing the information of trouble occurrences on the production line with applications on computers, tablets and in the cloud, the WCL-426R can be useful for visualizing and improving the operation status of the production line.



Using the Windows application "Production Process Support Software for WCL Series WCL plus," you can save the trouble occurrence history received by up to 10 Andon receivers in the CSV format.

WCL plus

Within one factory, up to 10 WCL-426R can coexist. Each can wirelessly communicate with up to 800 transmitters, which allows for the gathering of reports of trouble occurrences from up to 8,000 locations.

When the wireless Andon AN426R II-TH is in place at the production site, the installed transmitter AN426T II can be saved as is.

AN426T II (Transmitter)

Each transmitter corresponds to an indicator on the receiver. LEDs illuminate each indicator on the receiver a particular color, according to the corresponding input from the transmitter. The terminal block input illuminates in the same way.

Inputs	4 Push-Button: 1 (Orange), 2 (Red), 3 (Green), 4 (Off)
	4 External-Input: 1 (Orange), 2 (Red), 3 (Green), 4 (Off)



4 Push-Button:
1 (Orange)
2 (Red)
3 (Green)
4 (Off)



4 External-Input:
1 (Orange)
2 (Red)
3 (Green)
4 (Off)



Since the settings can be changed easily with switches, relocations by customers can be accommodated easily.