Wireless Call Systems

YOBIDASHI ヨビダシ **AN920 / BN920**

Wireless Segment Specifications

Item	Specifications
Standards	FCC:Part15 Sub Part C §15.247 IC:RSS-210
Frequency Band	920 MHz-928 MHz
Modulation Method	LoRa Technology
Communication Method	Half Duplex

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

AN920T (Transmitter)

Indicator Element	1 Red LED(Tx)
	1 Green LED(Rx)
Input(s)	4 Push-Button
	4 External-Input
Power Source	AC 100-240V (Using included AC Adapter)
External Dimensions	(W x H x D) 150 x 85 x 25 mm (5.9 x 3.3 x 1.0")
Weight	Approx.0.2kg(0.4lb)
Operating Environment	Temperature: 0-50°C (32-124°F)
	Humidity: 20-85% (without condensation)
Code Settings	16,000 Configrations
	(Channel Numbers:1-16 × Set Numbers:0-9 × Unit Numbers:0-9 × ID:0-9)

AN920R (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)
Output(s)	4 Open Collector Outputs (Max. Rated Load AC/DC 35V 50mA)
	1 Relay Output (Max. Rated Load AC/DC 30V 0.5A)
Input(s)	2 Non-voltage Contact-Input
	1 Reset All / 1 Reset Output
Power Source	AC100-240V (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 (17.6 lb)
Operating Environment	Temperature: 0-40°C (32-104°F)
	Humidity: 85% or less (without condensation)
Code Settings	1,600 Configurations
	(Channel Numbers:1-16 × Set Numbers:0-9 × Unit Numbers:0-9)

The model with a speaker is AN920R-MRD.

AN920RM (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)
Output(s)	4 Open Collector Outputs (Max. Rated Load AC/DC 35V 50mA)
	1 Relay Output (Max. Rated Load AC/DC 30V 0.5A)
Input(s)	2 Non-voltage Contact-Input
	1 Reset All / 1 Reset Output
Power Source	AC100-240V (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 (12.8 lb)
Operating Environment	Temperature: 0-40°C (32-104°F)
	Humidity: 85% or less (without condensation)
Code Settings	1,600 Configurations
	(Channel Numbers:1-16 × Set Numbers:0-9 × Unit Numbers:0-9)

The model with a speaker is AN920RM-MRD.

BN920R (Number Indicator Type)

Indicator Element	4-Digit Indicator, High Brightness Red, 7-Segment LED,
	Single-Sided Indicator,
	Indicator Letter Dimensions (H x W) 110 x 60 mm (4.3 x 2.4")
Output(s)	2 Open Collector Outputs (Max. Rated Load AC/DC 35V 50mA)
	2 Relay Outputs (Max. Rated Load AC125V 0.5A / DC 24V 1A)
Input(s)	Optional Keyboard Unit (KE-2)
Power Source	AC100-240V (using included AC adapter)
Wattage	Max. 25W
External Dimensions	(W x H x D) 600 x 290 x 80 mm (23.6 x 11.4 x 3.1")
	(except any protruding object such as an antenna)
Weight	Approx. 5.5kg(12.1lb)
Operating Environment	Temperature: 0-50°C (32-122°F)
	Humidity: 85% or less (without condensation)
Code Settings	160 Configrations
	(Channel Numbers:1-16 × Set Numbers:0-9)

The model with the double-sided indicator specification is BNW926R.
The models with a speaker are BN920R-MRD and BNW920R-MRD.

AN920RH (Large-Sized 4-Indicator Type)
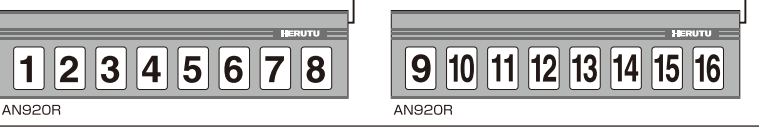
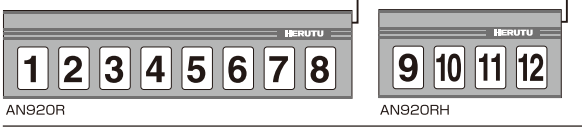|	
Indicator Element	4 Indicator Lamps (Indicator Dimensions (H x W) 150 x 100 mm (5.9 x 0.4"))
	Double-Sided Indicator * 3-Color LED (Orange, Red, Green)
Output(s)	4 Open Collector Outputs (Max. Rated Load AC/DC 35V 50mA)
	1 Relay Output (Max. Rated Load AC/DC 30V 0.5A)
Input(s)	2 Non-voltage Contact-Input
	1 Reset All / 1 Reset Output
Power Source	AC100-240V (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 (11.7 lb)
Operating Environment	Temperature: 0-40°C (32-104°F)
	Humidity: 85% or less (without condensation)
Code Settings	1,600 Configurations
	(Channel Numbers:1-16 × Set Numbers:0-9 × Unit Numbers:0-9)

The model with a speaker is AN920RH-MRD.

The indicator numbers are changeable. Please specify the numbers.

Examples

●Case of Calling from 16 Sites

`1 2 3 4 5 6 7 8` AN920R   `9 10 11 12 13 14 15 16` AN920R

●Case of Calling from 12 Sites

`1 2 3 4 5 6 7 8` AN920R   `9 10 11 12` AN920RH

AN920R

BN920R

AN920RH

AN920RM

AN920T

HERUTU
HERUTU ELECTRONICS CORPORATION
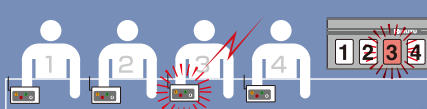
Please contact your nearest distributor.

HERUTU

20170805P

Making all sorts of calls easily identifiable

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

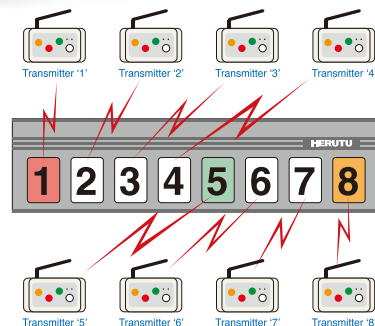# AN920R

Large-Sized 8-Indicator Type

Communication Distance:
approx. 500m(547yd) (Indoor)
approx. 1 km (0.62 mi.) (Line of Sight)

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

The AN920R series illuminates each indicator independently for corresponding calls from the transmitter AN920T. 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

AN920R can be used in combination with eight AN920T transmitters.

Transmitter '1' Transmitter '2' Transmitter '3' Transmitter '4'
Transmitter '5' Transmitter '6' Transmitter '7' Transmitter '8'

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).

AN920R-MRD

AN920T (Transmitter)

Inputs

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.
* The color of each input represents the color of illumination of the corresponding indicator on the receiver, except the white input turning off the corresponding indicator.
■ 4 Push-Button: Orange, Red, Green, White (Off)
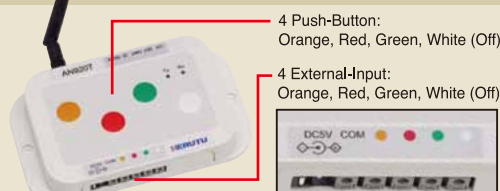■ 4 External-Input: Orange, Red, Green, White (Off)

* An AC Adapter is the power source.

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

4 Push-Button:
Orange, Red, Green, White (Off)

4 External-Input:
Orange, Red, Green, White (Off)

DC5V COM

AN920RH

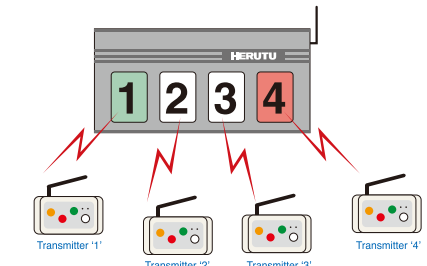## Large-Sized 4-Indicator Type

Double-Sided Indicator

Communication Distance:
approx. 500m(547yd) (Indoor)
approx. 1 km (0.62 mi.) (Line of Sight)

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

Configuration

AN920RH can be used in combination with four AN426T transmitters.

Transmitter '1' Transmitter '2' Transmitter '3' Transmitter '4'

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.

AN920RH-MRD

AN920RM

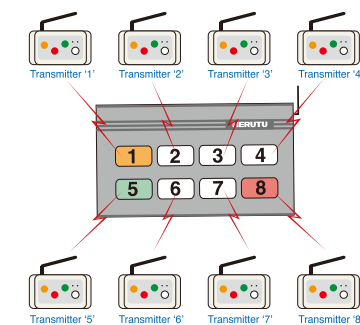## Medium-Sized 8-Indicator Type

Double-Sided Indicator

Communication Distance:
approx. 500m(547yd) (Indoor)
approx. 1 km (0.62 mi.) (Line of Sight)

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

Configuration

AN920RM can be used in combination with eight AN426T transmitters.

Transmitter '1' Transmitter '2' Transmitter '3' Transmitter '4'
Transmitter '5' Transmitter '6' Transmitter '7' Transmitter '8'

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.
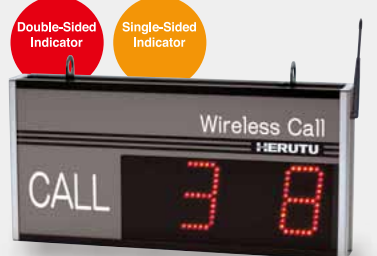
AN920RM-MRD

BN920R / BNW920R

Number Indicator Type

The BN920R series illuminates numbers corresponding to calls from the transmitter AN920T. This series can respond to calls from up to 64 transmitters. Numbers corresponding to calls that are not displayed are stored internally for displaying later.
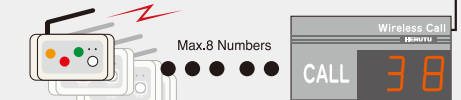
Double-Sided Indicator **Single-Sided Indicator**

Wireless Call
CALL

Communication Distance:
approx. 500m(547yd) (Indoor)
approx. 1 km (0.62 mi.) (Line of Sight)

1-Charater Height 110 mm (4.3")

Configuration

1-Digit Type Supporting up to 8 Transmitters
Since the indicator numbers corresponding with calls are a single digit, calls from up to 4 transmitters can be indicated simultaneously.

Max.8 Numbers

2-Digit Type Supporting up to 64 Transmitters
Since the indicator numbers corresponding with calls are a double-digit, calls from up to 2 transmitters can be indicated simultaneously.

Max.64 Numbers

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.

BN920R-MRD