Reception Display Unit

Size (W x D x H)	550 x 55 x 130mm
Weight	Approx. 1,350 g (including cord))
Power supply	100 VAC

・Power consumption: Approx. 15 W ・Reception frequency: From 426.025 MHz (specified low power) ・Reception system: Simplex ・Reception distance: Approx. 100 m (varies with the use environment) ・Display type: 2-digit, 5 windows/3-color display that indicates various types of trouble in incoming order/Number of calls preset along with the number of remaining calls ・Chime: 13 types with rotary settings ・Volume control: 16 steps ・Speaker output: 300 mW ・LED brightness adjustment: 16 steps ・Channels: 1 to 15 ・Operating temperature: 0℃ to 40℃

Handheld Reception Display Unit

Metallic Black

Size (W x D x H)	51 x 129 x 21mm
Weight	Approx. 100 g (including battery pack)
Power supply	Lithium ion polymer rechargeable battery

・Transmission frequency: From 426.025 MHz (specified low power) ・Transmission and reception system: Simplex ・Transmission output (at the time of erasing data): 1 mW ・Action at transmission: 5-kHz beep ・Display type: 2-digit, 2 windows/3-color display that indicates various types of trouble in incoming order ・Number of items in memory: 50 ・Charging time: Approx. 6 hours ・Standby time: Approx. 40 hours (varies with the use environment) ・Channels: 1 to 15 ・Operating temperature: 0℃ to 40℃

Charger

	5-unit type	10-unit type
Size (W x D x H)	79 x 165 x 54mm	79 x 290 x 54mm
Weight	Approx. 400 g	Approx. 550 g
Power supply	Dedicated 6-VDC adapter	

・Charging time: Approx. 6 hours ・Charging method: Contact charging ・Separate type: Separate storage unit type (can be cleaned) ・Power consumption: 5-unit type, approx. 12 W (at peak)/10-unit type, approx. 24 W (at peak)

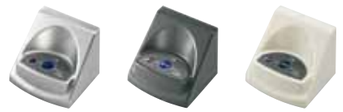
Signal Input-type Transmitter

Gray Ivory

Size (W x D x H)	75 x 36.9 x 116 mm (75.42 x 42.1 x 116.42 mm with holder attached)
Weight	Approx. 165 g (2 AA alkaline batteries included, and approx. 190 g with holder attached)
Power supply	AA alkaline battery x 2/Dedicated 3.3-VDC adapter (sold separately)

・Transmission frequency: From 426.025 MHz (specified low power) ・Transmission system: Simplex ・Transmission output: 1 mW ・Chime sound setting: 13 types in DIP switch ・Action at transmission: 5-kHz beep/LED ・Number setting: 1 to FF ・Channels: 1 to 15 ・Operating temperature: 0℃ to 40℃

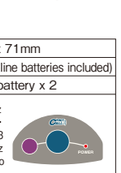
Standard Transmitter



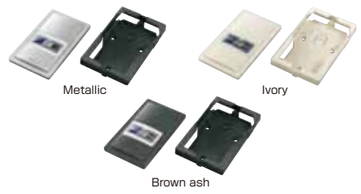
Metallic Brown ash Ivory

Size (W x D x H)	85 x 78 x 71mm
Weight	Approx. 150 g (2 AA alkaline batteries included)
Power supply	AA alkaline battery x 2

・Transmission frequency: From 426.025 MHz (specified low power) ・Transmission system: Simplex ・Transmission output: 1 mW ・Chime sound setting: 13 types in DIP switch ・Action at transmission: 5-kHz beep/LED ・Number setting: 1 to FF ・Channels: 1 to 15 ・Operating temperature: 0℃ to 40℃



Card-type Transmitter



Metallic Ivory Brown ash

Size (W x D x H)	55 x 93 x 11 mm (60 x 98 x 15 mm with holder attached)
Weight	Approx. 35 g (2 alkaline button cell batteries included, and approx. 55 g with holder attached)
Power supply	LR44 alkaline button cell battery x 2

・Transmission frequency: From 426.025 MHz (specified low power) ・Transmission system: Simplex ・Transmission output: 1 mW ・Chime sound setting: 13 types in DIP switch ・Action at transmission: 5-kHz beep/LED ・Number setting: 1 to FF ・Channels: 1 to 15 ・Operating temperature: 0℃ to 40℃

Round-type Transmitter

Size (W x D x H)	80 x 80 x 43mm
Weight	Approx. 130 g (2 AA alkaline batteries included)
Power supply	AA alkaline battery x 2

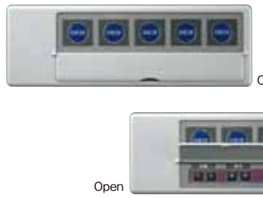
・Transmission frequency: From 426.025 MHz (specified low power) ・Transmission system: Simplex ・Transmission output: 1 mW ・Chime sound setting: 13 types in DIP switch ・Action at transmission: 5-kHz beep/LED ・Number setting: 1 to FF ・Channels: 1 to 15 ・Operating temperature: 0℃ to 40℃

Repeater

Size (W x D x H)	170 x 85 x 40 mm (excluding antenna)
Weight	Approx. 200 g
Power supply	Dedicated 6-VDC adapter

・Transmission frequency: From 426.025 MHz (specified low power) ・Transmission and reception system: Simplex ・Transmission output: 1 mW ・Channels: 1 to 15 ・Repeater number setting: 1 to 15 ・Operating temperature: 0℃ to 40℃ ・Wave strength display

Erasing and Setting Machine



Close Open

Size (W x D x H)	245 x 80 x 25mm
Weight	Approx. 230 g (2 AA alkaline batteries included)
Power supply	AA alkaline battery x 2

・Transmission frequency: From 426.025 MHz (specified low power) ・Transmission system: Simplex ・Transmission output: 1 mW ・Action at transmission: 5-kHz beep ・Settings: Volume, display brightness, auto erase time, tone ・Channels: 1 to 15 ・Operating temperature: 0℃ to 40℃

Reception Speaker

Size (W x D x H)	166 x 82 x 42 mm (excluding antenna)
Weight	Approx. 225 g
Power supply	Dedicated 9-VDC adapter

・Reception frequency: From 426.025 MHz (specified low power) ・Reception system: Simplex ・Reception distance: Approx. 100 m (varies with the use environment) ・Number of beep times setting: 8 types in DIP switch ・Volume adjustment: Rotary volume (stepless) ・Speaker output: 300 mW ・Channels: 1 to 15 ・Operating temperature: 0℃ to 40℃

* This product is for for notification and contact use, and not for the purpose of life rescue or crime prevention. * The wave-reaching distance may be shorter, depending on the location and operating environment. * Actual products may slightly differ in color. * Product Specifications are subject to change without notice. * Consult our dealer for further information on the contents of this catalog.

Dealer

ファクト イン コール
Pat. No. 3423943/Trademark registered

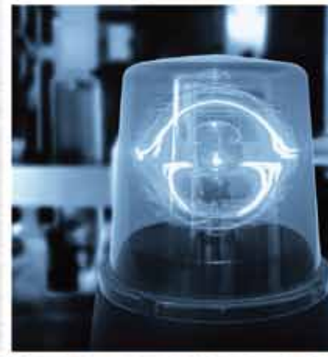
GR1511002

ECHO

Pat. No. 3423943
Trademark registered
Specified Low-power Type

FACT in CALL
ファクト イン コール

Contributing to the reduction of loss and waste caused by production line trouble.



FACT in CALL exactly solves various problems in your plants.

An advanced remote call system that relays the occurrence of trouble as soon as it is reported.

When a staff member finding a problem presses the button of the Transmitter, the Reception Display Unit will display the Transmitter number.
This is the FACT in CALL system that displays the location of the trouble in a clear, easy-to-understand manner.

Reception Display Unit

Incorporates an LED display that indicates numbers distinguished in three colors. Visualizes the occurrence of trouble, thus contributing to the elimination of all types of waste. Incorporates a data output function as well, and the connection of a PC makes the uniform management of the state of production.

Realizes high functions that are no less smart than those of the Standard Reception Display Unit

Handheld Reception Display Unit

An easy-to-carry model that catches and erases calls anywhere.

Easy-to-see two-window display

The Unit displays calls from two places at a time. If there are further calls from more than two places, the Unit will store them in the memory and display them one by one in sequence as the displayed numbers are erased one after another.

Vibration function

The Unit generates sound and vibration when a call is received. The Unit connects to an earphone, thus making it possible to grasp the occurrence of trouble precisely.

- When a call is received, the reception lamp flashes simultaneously with the number display. This tells the user of the call with ease.
- A dedicated charger incorporating an automatic power OFF function is available. This ensures ease of charging with safety ensured.
- A dedicated earphone and strap are provided with the Unit. You can make use of the system immediately after it is introduced.

Ensures ease of use

Incorporates an erase function

The model incorporates an erase function that has been prepared for conventional erasing devices, thus making it possible to erase the numbers displayed on all the Reception Display Units including the user's in the system.

FACT in CALL is used for a wide variety of sites including factories.

School

Used for communication in language laboratory.

Supports communication between the instructor and students in class while the make use of audio, video, and computer equipment.

Hospital

Used as a handheld nurse call device.*

Realizes a wireless nurse call system, which makes it possible to call nurses with just a single touch of a button.

Nursing-care Facilities

Used as a wireless nurse call device.*

Patients in trouble or in need of nursing care can call nursing-care staff at any time wirelessly.

* This product is for notification and contact use, and not for the purpose of life rescue or crime prevention.

Transmitter

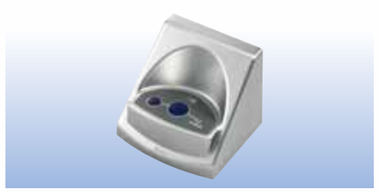
Transmits factory trouble to the Reception Display Unit with just a single touch of button. This enables smooth support in a timely manner.

A signal input model connecting to unattended equipment.

When trouble occurs to unattended equipment, the Unit will automatically transmit a signal to the Reception Display Unit. This makes it possible to report trouble without bothering the administrator.

An easy-to operate standard model that transmits two types of signals.

The Unit can transmit two types of trouble, such as a shortage in parts or machine failure, to the Reception Display Unit.



Compact and stylish
A card-type model that can be used anywhere.

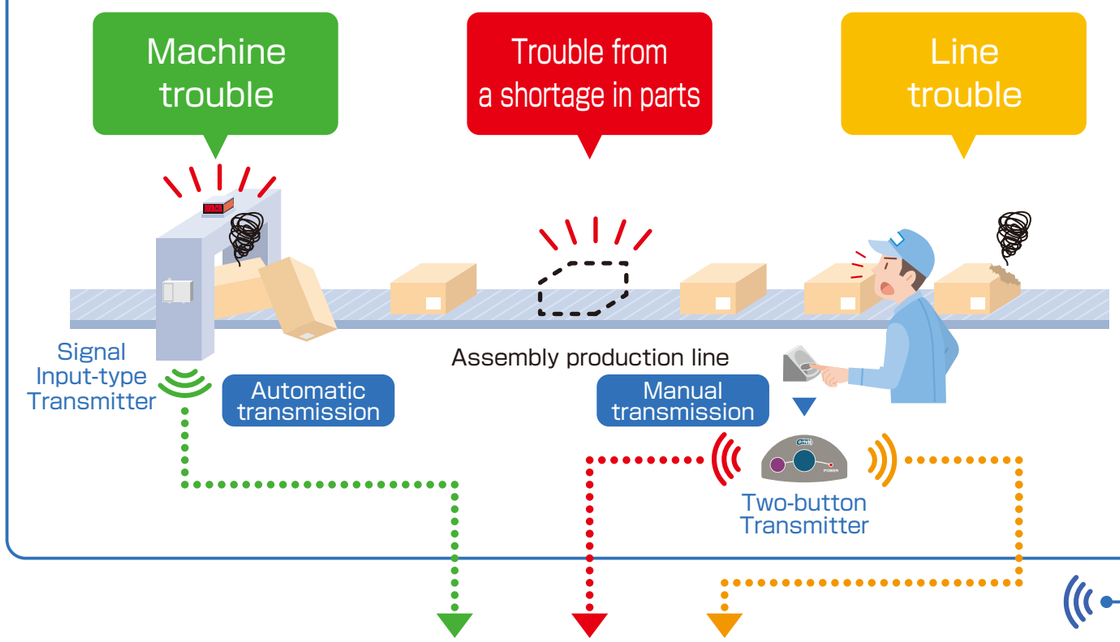
The FACT in CALL series has a versatile lineup of products including the Card-type Transmitter, a convenient model that can be used on desks and mounted onto walls.

Realizes the stable operation of factory lines with significant labor saving.

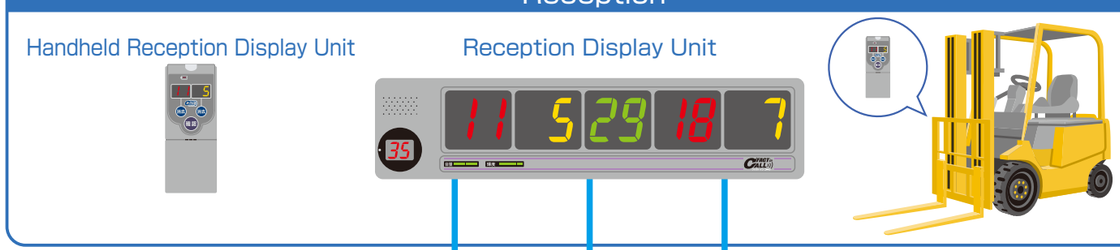
Reports the occurrence of trouble by an LED display or other means,
and makes it possible to take remedial measures efficiently in a speedy manner.

Promptly indicates the occurrence of trouble. Realizes data output to PCs while linking with status indicating lights.

Transmission



Reception



232C data output

PC-employed centralized control of trouble information

Linking with status indicating lights

Providing more convenience with the use of status indicating lights in combination.

Supporting external speakers

Connecting to external speakers, thus ensuring ease of use in noisy places.

Used safely on large premises, such as vast factories and university campuses.

Available to factories with intricate layouts.

Repeater

The FACT in CALL system is of low power type, which used as it is covers a wide area. The use of Repeaters further ensures steady communication in a wider area or intricate facilities.

Unrivaled, feature-rich functions that only FACT in CALL can provide.

PC-employed management of trouble information

Data management function

Making it possible to grasp the number of occurrences of trouble.

A PC connected over RS-232C to Standard Reception Display Units makes it possible to manage the operating status data of the FACT in CALL system. You can grasp the number of occurrences of trouble and in what time zones the trouble occurred.

3-color LED display

Color-coded display

Possible to set display colors according to each type of trouble.

The Reception Display Unit has a 3-color display that indicates trouble in red, yellow, or green. Specific types of trouble can be expressed with these colors, i.e., red and yellow can be used for a shortage in parts and operational failure, respectively. This makes it possible to grasp the contents of trouble seeing the colors displayed.

Covering a wide area

Specified low-power type

A lineup of Handheld Reception Display Units and Repeaters.

The FACT in CALL system is of specified low-power type covering a wide area. For example, a forklift driver holding the Handheld Reception Display Unit can receive calls while driving the forklift. The use of the Repeater makes it possible to support a wider area or intricate facilities.

Enables precise support

That indicates various types of trouble in incoming order

Possible to respond to calls in incoming order.

The display indicates transmitter numbers in incoming order. This makes it possible to know the order at a glance and respond to the calls in proper order.

Linking with status indicating lights and external speakers

External output function

Relaying the occurrence of trouble in an easy-to-understand manner.

The Standard Reception Display Unit can connect to status indicating lights and external speakers. This makes it possible to grasp the trouble in a timely manner even if the Reception Display Unit is placed far away or in a noisy place.

Call numbers

Indicating the remaining number of calls

Possible to handle a large number of calls.

Five or more calls up to 96 calls not displayed on the Unit can be stored in the memory. The sub display indicates the number of calls received (including those displayed). The stored numbers will be displayed in sequence as the displayed numbers are erased one after another.

Ideal for equipment in automatic operation

Signal Input-type Transmitter

The lineup includes the Signal Input-type Transmitter.

Connecting the Transmitter to equipment in automatic operation makes it possible to transmit signals automatically without bothering the administrator if trouble occurs.

With an elapse of time

The number display changes.

Preventing numbers overlooked, if any.

Call numbers displayed will flash with an elapse of a certain period. Furthermore, the flashing speed varies in four steps according to the time elapsed, which makes it possible to prevent a delay in response.

FACT in CALL contributes to the reduction of line loss time that may result in loss and waste.

CASE 1 introduction of "FACT in CALL" to the factory line

A need for efficiently solvingthe trouble of an unattended operating system.

If trouble occurs to an unattended operating system, it is difficult to respond to the trouble promptly. Is there any good way to solve this problem?

Automatically reports the trouble of unattended operating system.

Offers a lineup of Signal Input-type Transmitter models that precisely grasp the trouble under unattended environments.

The case is settled.

Playing a great role in factories where unattended operating systems are in operation.

If line trouble occurs, the Signal Input-type Transmitter automatically transmits the occurrence of the trouble to the Reception Display Unit. As a result, the user can respond to the trouble in a speedy manner and take precise control measures.

Possible to grasp the trouble of the unattended operating system.

Trouble occurs to the unattended operating system. ▶ A trouble signal is input into the Signal Input-type Transmitter. ▶ The Signal Input-type Transmitter automatically transmits a trouble signal to the Reception Display Unit. ▶ The Reception Display Unit receives the state of trouble. ▶ The Reception Display Unit is connected to a PC to use dedicated management software and read the state of trouble. ▶ Grasps the state of trouble and takes a countermeasure.

Provides a lineup of Signal Input-type Transmitter models with non-voltage or voltage contacts.

Supports two types of signals

Non-voltage Contact Type

Transmits a signal that is turned ON by an appropriate component, such as a switch or relay. If trouble occurs to unattended equipment in operation, the signal can be automatically transmitted to the Reception Display Unit.

Machine trouble ▼ A component,such as a switch or relay ▼ Transmitter ▼ Reception Display Unit

Voltage Input Type

When an input signal at 5 to 24 VDC is received for 0.1 second or over, the built-in contact will turn ON and automatically transmit the signal to the Reception Display Unit.

Machine trouble ▼ Signal voltage ▼ Transmitter ▼ Reception Display Unit

Each model supports two types of input signals.

Supports the number of input signals (one or two inputs) from the connecting device. You can select a Transmitter model ideal for the system.

Two-way power supplies

Two AA alkaline batteries or an AC adapter with an output of 3.3 to 5 VDC powers the Signal Input-type Transmitter. In the case of using the batteries and AC adapter together, power supply from the AC adapter will take precedence, and the Transmitter will be powered from the batteries when power supply from the AC adapter stops.

* A dedicated AC adapter is prepared (sold separately).

CASE 2 introduction of "FACT in CALL" to the factory line

Various types of loss are occurring because workers may not be aware of the occurrence of trouble

The occurrence of trouble is frequently unnoticed under noisy environments. Is there any good way to grasp the occurrence of trouble precisely?

Light and sound precisely report the occurrence of trouble.

Possible to respond to the trouble promptly, and reduces loss time.

Linking with status indicating lights and external speakers to solve problems.

Connecting commercially available status indicating lights makes it possible to visualize the occurrence of trouble. Furthermore, connecting an external speaker makes it possible to confirm the occurrence of trouble by sound in a wide range.

Promptly supports the occurrence of trouble.

Technical trouble occurs in the noisy factory. ▶ A worker discovering the trouble operates the Transmitter. ▶ A corresponding status indicating light turns ON while the external speaker alerts the trouble. ▶ Starts responding to the technical trouble.

The case is settled.

This makes it possible to confirm the occurrence of trouble with the eyes and ears.

Possible to set a different chime sound on an area-by-area basis.

Specify chimes for efficient response.

FACT in CALL makes it possible to set a different chime sound (selected from 13 types of chime sounds) for each Transmitter location. Chime sound settings made on an area-by-area basis ensure ease of locating the area in trouble and enable prompt response.

Using FACT in CALL and responding to trouble with follow-up will improve the work efficiency of your production line.

CASE 3 introduction of "FACT in CALL" to the factory line

More effective use of forklifts.

Is there any way to streamline a wasteful factory workflow pattern, which includes loss of time resulting from the transportation of goods, a shortage of parts, finding a forklift, calling workers, and getting parts?

Transmitting calling information directly to a forklift.

Possible to make effective use of a single forklift for a great improvement in work efficiency.

Make use of the Handheld Reception Display Unit for problem solution.

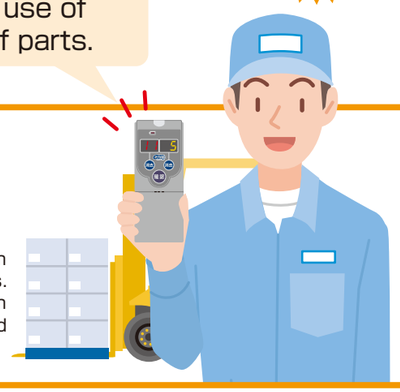
If the driver of the forklift carries the Handheld Reception Display Unit, trouble information will be transmitted directly with no time lag. As a result, it will be possible to respond to the trouble promptly. Furthermore, it will be possible to make use of the forklift efficiently with loss of time or loss of movements minimized.

Information will be transmitted to the forklift side with no time lag.

A shortage of parts or the transfer of goods occurs. ▶ A worker discovering the trouble operates the Transmitter. ▶ Information is transmitted to the forklift. ▶ The forklift responds to the information.

The case is settled.

The adoption of the system ensures the smooth use of the forklift for required work, such as the supply of parts.



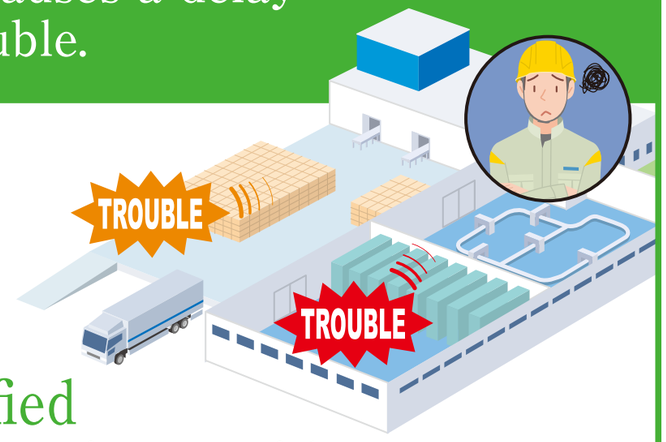
Incorporates an erase function.

Displayed numbers can be erased with ease from the Handheld Reception Display Unit.

Systems using conventional reception display units or handheld reception display units require erasing devices to erase numbers displayed on the units. The FACT in CALL series Handheld Reception Display Unit incorporates an erase function as a standard feature. The user can erase the numbers displayed with just a single touch of a button after responding to the trouble.

CASE 4 introduction of "FACT in CALL" to the factory line

A huge plant often causes a delay in responding to trouble.



Conventional systems cause problems in radio wave coverage and interference. Is there a system that can be used for a huge plant?

A system of specified low-power type covering a wide area ensures stable and reliable communication.

Covers a huge plant with ease and provides a merit of reducing interference problems.

A number of Repeaters can be installed for the same channel.

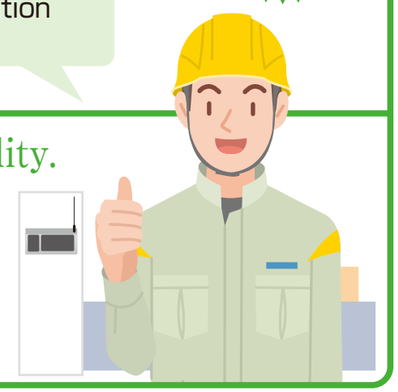
A number of Repeaters can be used for the same channel, which allows wider area communication than conventional systems. Even if the facilities are intricate, install Repeaters to avoid walls that block radio waves so that stable communication will be ensured.

Information on trouble can be transmitted to the person in charge stationed far away.

Emergency trouble occurs in the production line. ▶ A worker discovering the trouble operates the Transmitter. ▶ The person in charge n a different building confirms the trouble. ▶ Starts responding to the emergency trouble.

The case is settled.

The system ensures stable and reliable communication in the huge factory.



Immunity from noise ensures further reliability.

The system withstands noise and interference, thus ensuring reliable use.

FACT in CALL uses a microcomputer for the fine control of a narrow radio frequency band in use, thus enhancing immunity from noise. Therefore, the system makes stable communication possible under factory environments where various types of noise including power supply noise and static noise can be generated.

Reception Display Unit (Standard)

Three-color LED display has exact expressive power.
A new chassis design has been adopted in pursuit of ease of visibility and installation.

Displays numbers in three colors, i.e., red, yellow, and green.

By setting a specific type of trouble on a color-by-color basis, e.g., setting a shortage in parts for red, the user can grasp the contents of trouble promptly.

Displays numbers in incoming order.

Displays transmitter numbers in incoming order. This makes it possible to know the order at a glance and respond to the calls in proper order with no mistakes.

Indicating the remaining number of calls.

Five or more calls up to 96 calls not displayed on the Unit can be stored in the memory. The sub display indicates the number of calls received (including those displayed).

A PC connected over RS-232C to Reception Display Unit and the use of dedicated software on the PC will make it possible to manage the operating status data of the FACT in CALL system.

Supports status indicating lights and external speakers, thus reporting the occurrence of trouble with ease.

Handheld Reception Display Unit and Charger

Easy to carry and easy to operate.
The Handheld Reception Display Unit attaches importance to easy-to-see design as well.

Calling in four styles.

Displays transmitter numbers in four styles, i.e., the reception lamp, chime, vibration, and number display, thus infallibly reporting calls from the Transmitter.

Adopts lithium ion polymer rechargeable batteries.

Adopts lithium ion polymer rechargeable batteries, thus implementing battery long-life designing.

Continuous standby time of 40 hours and a full charging time of approx. 6 hours.

The Charger realizes a continuous standby time of 40 hours*. The Handheld Reception Display Unit requires approximately 6 hours for full charging. The Charger is equipped with an integrated switch that can start or stop all the Units.

* The continuous standby time is an average period of use on the condition that the Unit is in standby mode ready to receive radio signals normally. The period may become shorter depending on the charging conditions, temperature and other operating conditions, and the radio reception conditions of the place.

The Unit connects to an earphone, thus making it possible to grasp the occurrence of trouble with ease in noisy places. Furthermore, a neck strap is provided as a standard accessory. Therefore, the user does not need to purchase a commercially available neck strap separately.

The space that accommodates Handheld Reception Display Units can be removed with just a single touch, which makes ease of cleaning and eliminates charging failures and other trouble.

Transmitter

Transmits trouble to the Reception Display Unit/Handheld Reception Display Unit with just a single touch of button.

Standard Possible to transmit two types of signals to the Reception Display Unit

For example, if a shortage of parts and machine trouble are set, the user will know which trouble has occurred at a glance of the Reception Display Unit.

Card-type Compact designing that can be installed anywhere.

A lineup of Transmitter models includes a card-type model that can be used on desks and mounted onto walls.

Signal Input-type Responds to the trouble of unattended equipment in operation.

If trouble occurs, a signal will be automatically transmitted to the Reception Display Unit. This means that the occurrence of trouble will be alerted without bothering the administrator.

Repeater

An advanced relaying device that expands the communication range of FACT in CALL.

Expands the signal-reaching distance.

The use of the Repeater expands the signal-reaching distance, thus making it possible to use the system in a wider area.

Incorporates a function to display the signal strength of radio reception.

The LED display indicates the signal strength of radio reception, which tells the propagation of the radio waves at a glance. Signals can be received with no problems if the strength is 20 or over while the full scale is 60.

A lightweight and compact model that can be installed anywhere with ease. A dedicated mounting bracket is available (sold separately).