

Remote Monitoring System CS1100

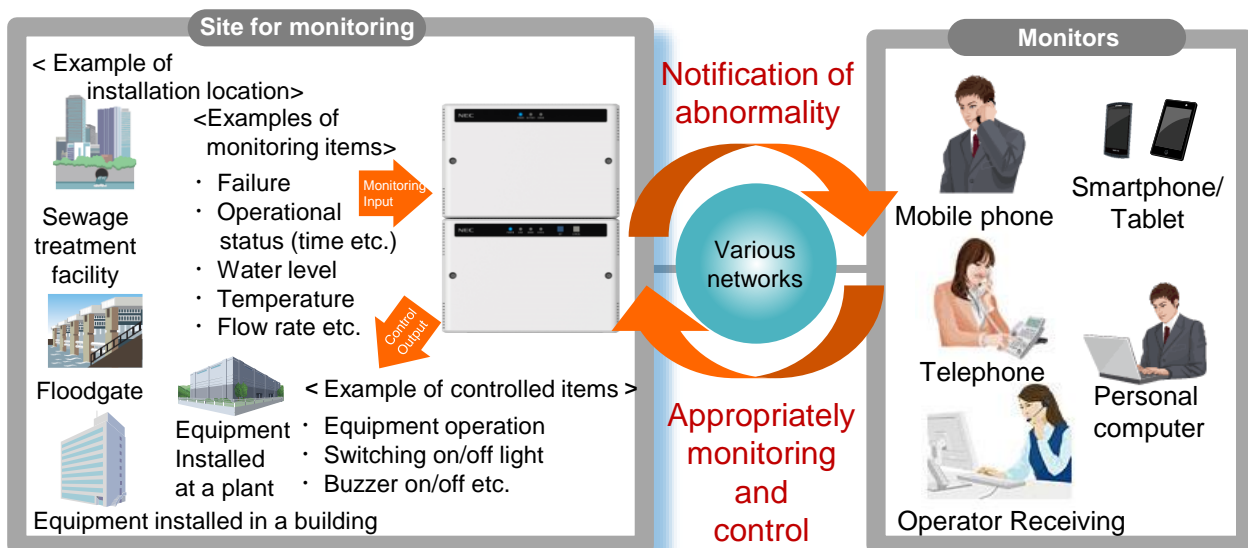
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Development of a one package remote monitoring server with basic functions and valuable features.

- Adopting a flexible design where the Control unit and Power unit are kept separate
- All in one package include Web server and mail client.

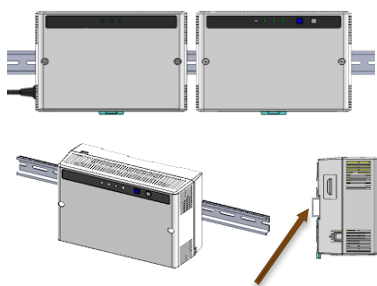
Overview



Features

● Using a flexible installation

With a structure where the Notification unit and Power unit are kept separate, it can be flexibly installed in accordance with the site. Two directions for vertical and horizontal. DIN rail mounting can also be used.



DIN rail mounting mechanism
Standard unit mounting

● Universally accepted and scalable external input

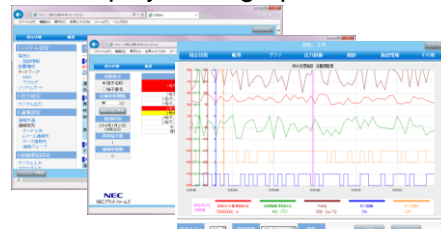
Non voltage digital input, 0-20/4-20mA current input and 0-5V/1-5V voltage input are selectable

● Support Text to speech

When notified, text will change to the voice message. Messages are available in English or Chinese (Simplified or Traditional Chinese). Thereby, notification in an emergency is possible.

● Enhanced Web functions

It can also be used as a Web monitoring device as there are built-in Web server functions. By using a regular browser it is possible to browse various data, such as a notification history, operation history, as well as settings. It is also possible to browse the daily, monthly and annual reports and display trend graphs.



Features

● Supporting various communication infrastructures

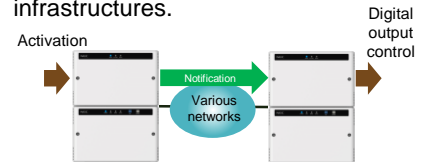
Supporting major communication infrastructures such as general analog line and LAN. A suitable communication infrastructure can be selected according to the environment of the site, where it is to be installed. Multiple communication infrastructures can be used in combinations.

● Variety of Notification patterns

Any notification method can be chosen from Voice, Email, Data depending on the requirement. Notification site can be set for each monitoring input. Since notification methods can also be used in combination.

● Linking functions

This UNIT is added as a notification method. It is possible to control the digital output of separate it in remote location by activating the corresponding it at the site. Owing to IP communication, it can be used by various communication networks. infrastructures.



Specifications

[Control Unit]

Items		Main specifications
Network Interface		Analog / LAN
Digital/ Analog Interface	Input	Digital <ul style="list-style-type: none"> 16ch *This is the maximum number if analog input is used as digital input *Maximum 32ch if extended IO board is implemented Input format Non-voltage contact input Input method Selection of event / estimated pulse / estimated Time for each terminal Minimum detection time Event : 300ms/pulse: 10ms/Operation:1s
		Analog or Digital <ul style="list-style-type: none"> 4ch (non-isolated) *Can be change to Digital or Analog input for each terminal *Maximum 12ch (non-isolated 4ch, isolated 8ch) if extended IO board is implemented Input format Selection of voltage/current input for each terminal Input level Voltage: DC 0-5V/1-5V Current: DC 0-20mA/4-20mA Resolution 12bit
	Output	Digital <ul style="list-style-type: none"> 4 ch *Maximum 8ch if extended IO board is implemented Output format Transistor output Output format Selection of continuous/one-shot for each terminal Can be returned and connected to digital input
		Analog <ul style="list-style-type: none"> None *Maximum 2ch if extended IO board is implemented Output format Voltage Output level DC 0-5V Resolution 10 bit
Input output terminal expansion		Digital input: 8ch, analog input (isolated):8ch, Digital output: 4ch, analog output: 2ch *Digital input can be changed for each terminal for analog input
User interface	LED	POWER / LINE / MODE / CHECK Internal body cover: SD / LAN
	Button	Front panel of the body: SET / CANCEL Internal body cover: POWER_SW
	Speakers etc.	Built-in speaker, buzzer
Alert function	Alert method	Voice / email / data / Another notification unit
	Alert pattern	Maximum receivers Voice : 16 connects / Email : 32 IDs. Data / AU to AU : 8 contacts Digital input Alert (event / estimated pulse / estimated time) / analog input Alert (threshold) / regular Alert (specified time / specified interval / daily, monthly and annual report etc.) / power outage Alert / mode switching Alert/low battery Alert etc.
Remote control	Control method	Browser / data
	Control details	Current status check / daily, monthly and annual report check / trend graph / output control (digital) / various histories check / system data setting etc. *Functions are restricted depending on the controlling system

Items		Main specifications
line Interface etc.	General telephone line	1 port <ul style="list-style-type: none"> There are external telephone connection port Connector: RJ11 x 2 (LINE / TEL) Compatible modem : V34, V92
	LAN (1port)	<ul style="list-style-type: none"> 100BASE-T Auto MDI / MDI-X Connector : RJ45
Operating power supply		DC24V (9.6V to 24.6V)
Operating environment		Temperature:-10°C to 60°C Humidity: 20% to 85% (non-condensing)
External dimensions		210 mm (W) x 150mm (H) x 85 mm (D)
Weight		Approximately 0.8kg
Mounting method		Direct mounting or DIN rail mounting
Power outage guarantee		Three Alerts, after one hour of waiting after power outage by the standard battery *Six hours by add on expansion

[Power Unit]

Items		Main specifications
Accumulation function	Memory	SD memory card (1Slot, 2GB memory initial implement)
	Accumulated data item	Data such as Alert history / operation history / control history / daily, monthly and annual report etc. Total 33,000 items
Input power	Operating power	AC100V/240V 50/60Hz auto-identified
	Power backup	Standard battery : NiMH battery pack (8 "AA" batteries Type) Expansion battery: NiMH battery pack (12 "AA" batteries Type)
Output power	Current application time	Rate: DC24V/630mA Rated: DC9.6V / 1.7A (at the time of using standard battery)
	Power consumption	During 45 W During 55 W
Operating environment		Temperature:-10°C to 60°C Humidity:20% to 85% (although no condensation)
Outside dimension		210 mm(W)x150mm (H)x85 mm (D)
Weight		Approximately 1.2kg (including standard battery for power outage)
Mounting method		Direct mounting or DIN rail mounting

[Optional]

Items	product code
CS1100 EXIOU	PW-AJA3-01
CS1100 extension battery	PW-AJA3-02
CS1100 standard battery	PW-AJA4-01

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