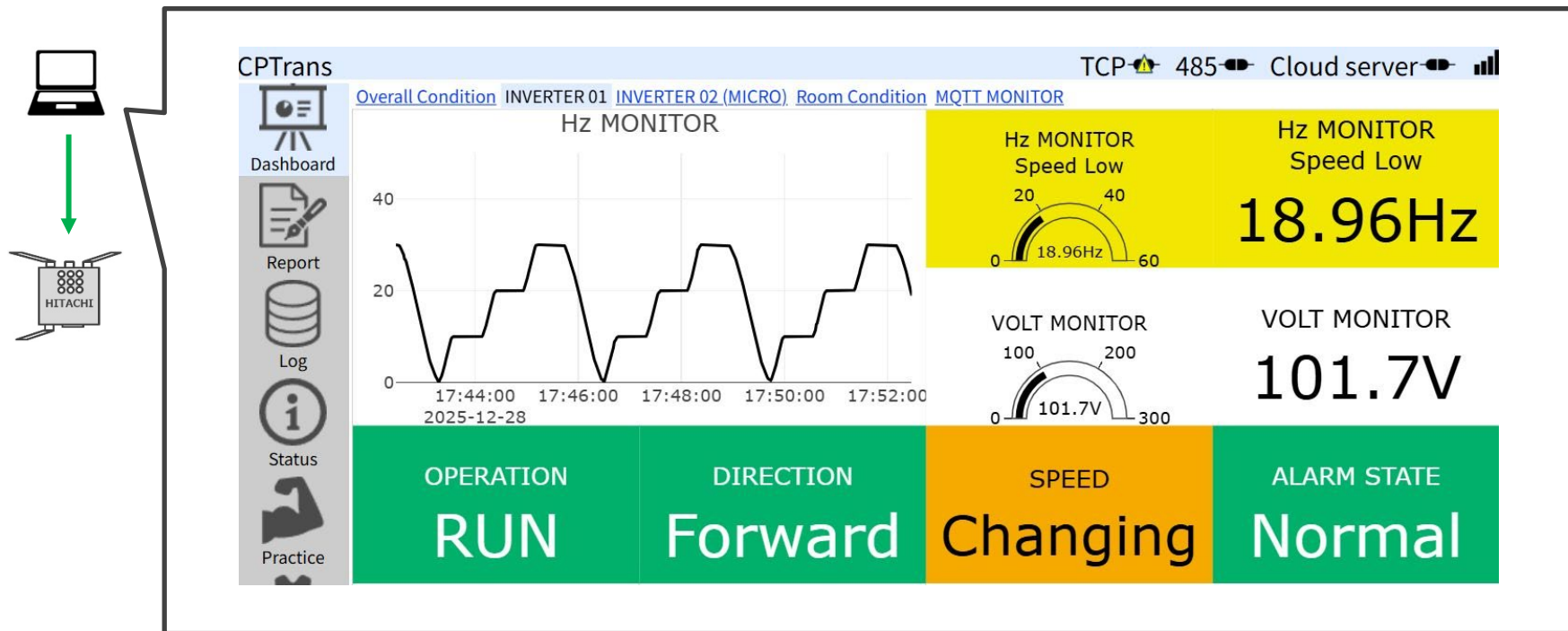


1. System Structure



HITACHI

Prepare dashboard structure as per below design.
请按以下设计构建用于远程监控的仪表板画面。

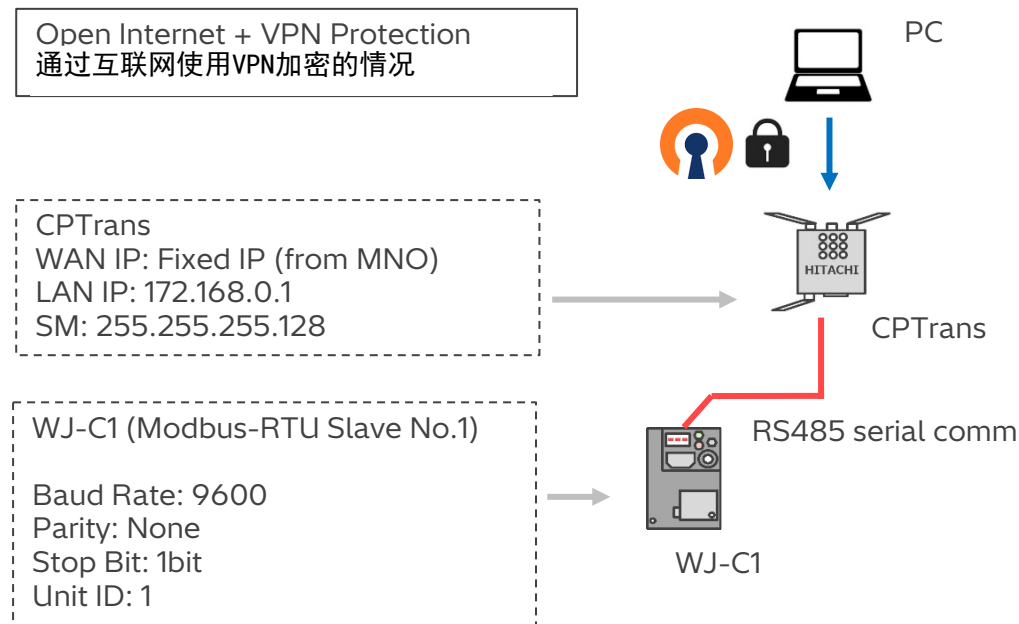


1. System Structure



HITACHI

Following shows network structure which explain what network setting made on each device.
以下说明通信构建的概要。将列出各组成部件本次是以何种设置进行连接的。

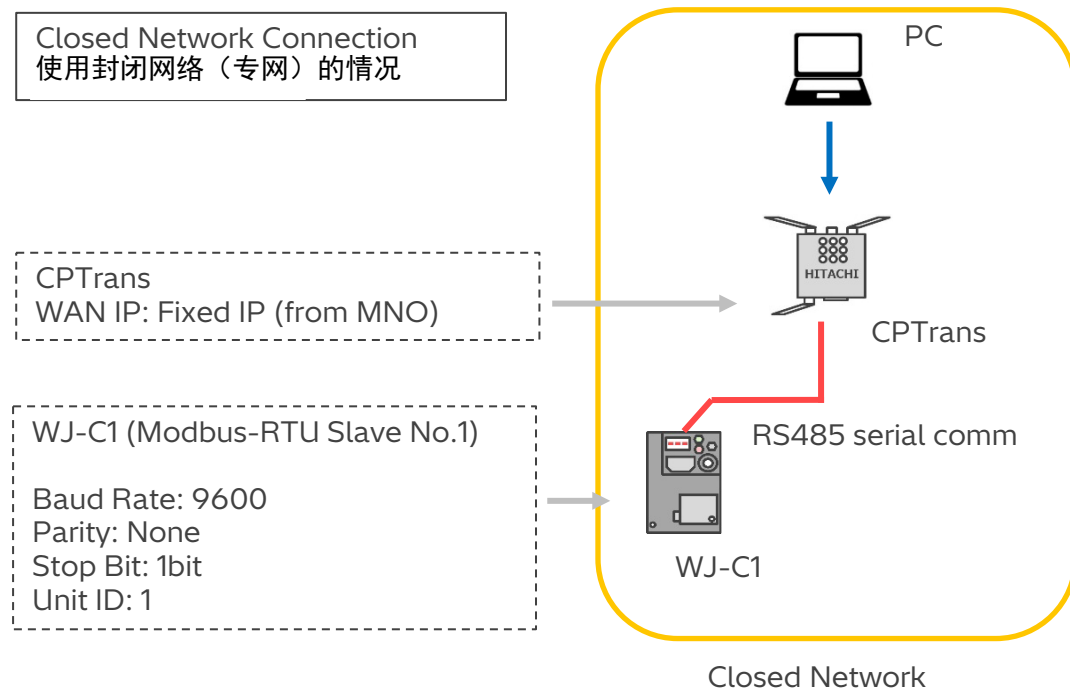


1. System Structure



HITACHI

Following shows network structure which explain what network setting made on each device.
以下说明通信构建的概要。将列出各组成部件本次是以何种设置进行连接的。

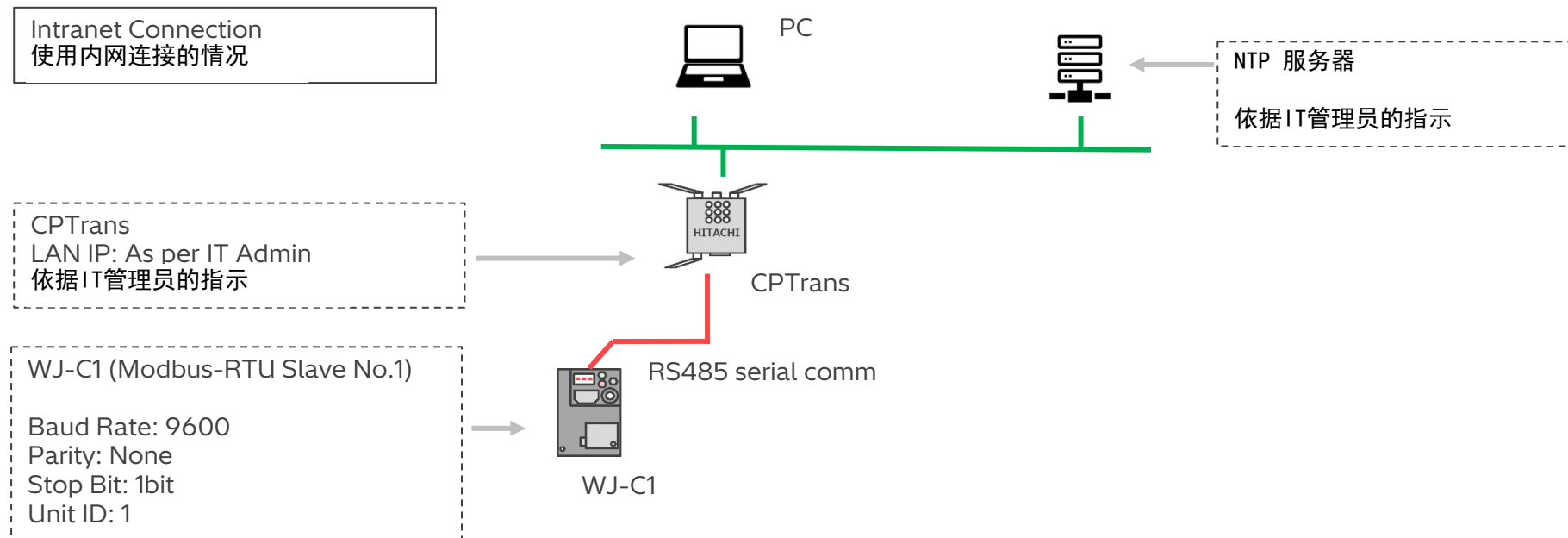


1. System Structure



HITACHI

Following shows network structure which explain what network setting made on each device.
以下说明通信构建的概要。将列出各组成部件本次是以何种设置进行连接的。

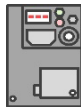


2. Setup

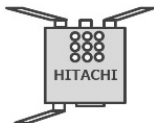


HITACHI

Setup will be done in following steps.
请按以下顺序逐步进行设置。



Inverter parameter setting
设置变频器的参数



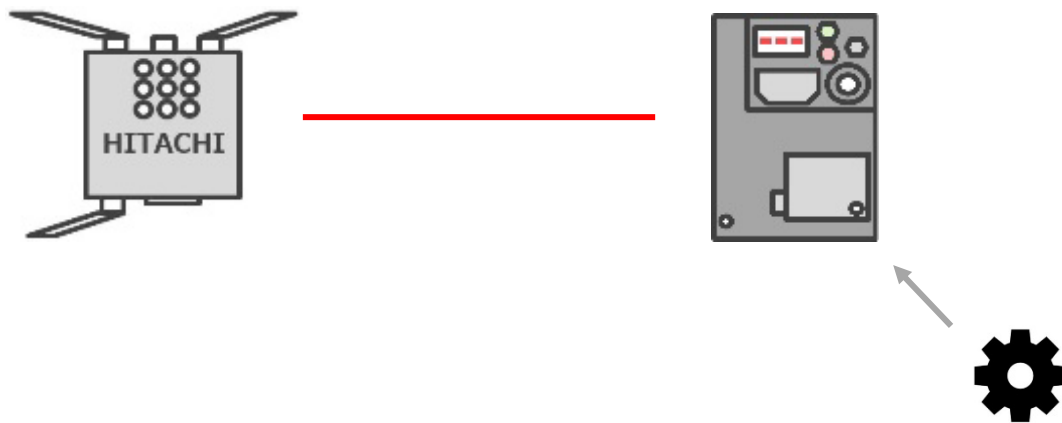
CPTrans Remote APP setting
设置CPTrans的远程监控应用

2. Setup (WJ-C1)



HITACHI

Set up WJ-C1 for this time's lecture.
本次将针对培训用途对WJ-C1进行设置。



2. Setup (WJ-C1)



HITACHI

Kindly set up WJ-C1 serial communication parameter as per following setup
请将WJ-C1的通信相关参数按如下设置

AA101 (Speed ref) 07 (From Inverter operator)

AA111 (RUN ref) 00 (From Terminal)

*Please set appropriate setting following to your use.

CF-01 (Baud rate) 05 (9600bps)

CF-02 (Unit ID) 001

CF-03 (Parity setting) 00 (No Parity)

CF-04 (Stop bit setting) 01 (Stop bit 1bit)

[Option]

CF-05 (Comm ERR set) 02 (Ignore Comm ERR)

CF-06 (Comm Time out) 0.00 (No Time out)

CF-08 (Protocol setting) 00 (Modbus-RTU)

■Modbus 通信関連パラメータ

コード	項目	内容	データ
[AA101]	主速指令選択	Modbus 通信に設定	08
[AA111]	運転指令選択	Modbus 通信に設定	03
[CC-01] [CC-02] [CC-07]	出力端子機能選択	通信断線[NDc] : 通信異常発生時、本信号が ON します。	049
[CF-01]	通信伝送速度選択 (ボーレート選択)	通信伝送速度を設定します。	03 (2400 bps) 04 (4800 bps) 05 (9600 bps) 06 (19.2 kbps) 07 (38.4 kbps) 08 (57.6 kbps) 09 (76.8 kbps) 10 (115.2 kbps)
[CF-02]	通信局番選択	インバータの局番を割り付けます。	1~247
[CF-03]	通信パリティ選択	パリティ無し	00
		偶数パリティ	01
		奇数パリティ	02
[CF-04]	通信ストップビット選択	1 ビット	01
		2 ビット	02

2. Setup (WJ-C1 - Option)



HITACHI

If download EzSQ program sample to WJ-C1, it will auto operate in 10Hz-50Hz.
安装本次试验提供的EzSQ参数后，将自动在10 - 50Hz之间变化运行。

UE-01 (EzSQ Cycle) 00 (Operate in 1ms/step)
UE-02 (EzSQ Operation) 02 (Always RUN)

<Provided program>

If UE-10 = 1 then start auto operating by automatically changing output speed as 10-50Hz range.

If UE-10 = 0 then stop and return speed setting & RUN/STOP setting as original setting.

UE-01	EzSQ 実行周期	00:1ms 01:2ms	01	×	47E1h	0~1	1	12-2-2
UE-02	EzSQ 機能選択	00: 無効 01: [PRG]端子 02: 常時 03: デバッグ	00	○	47E2h	0~3	1	12-2-2 12-2-6
UE-03	EzSQ プログラム 続行選択	00: トリップ時プログラム再起動 01: トリップ時プログラム継続	00	○	47E3h	0~1	1	12-2-4
UE-10	EzSQ ユーザパラメータ U(00)	0~65535	0	○	47EAh	0~65535	1	12-2-2

<关于EzSQ程序的内容>

UE-10参数被设为1时，输出频率将在10 - 50Hz范围内增减并自动开始运转。

UE-10参数被设为0时，在恢复至停止状态后，频率指令源与RUN指令源将恢复为原设置。

*) Hitachi ProDriveNext software is required to install EzSQ program.

**) For EzSQ program lecture, kindly contact separately to nearest Hitachi sales team.

安装EzSQ需要日立ProDriveNext软件。

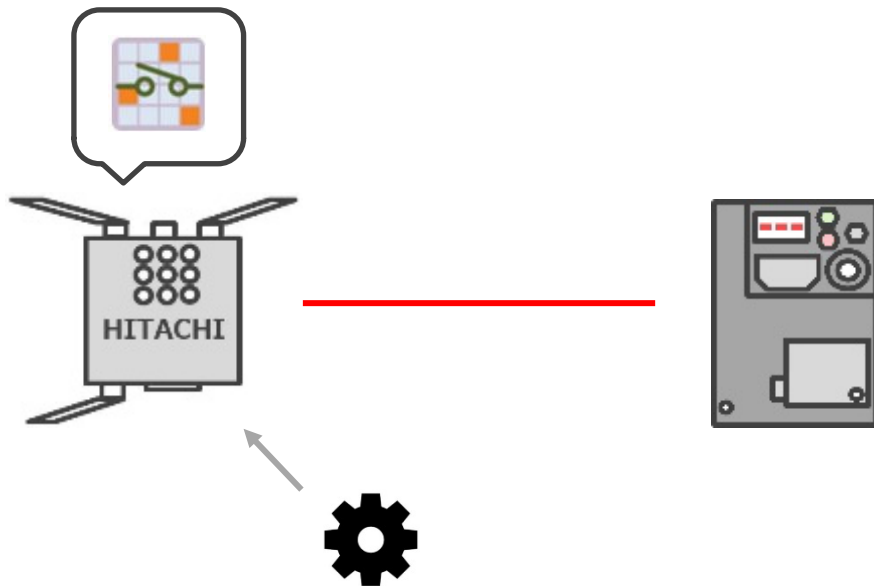
关于EzSQ的程序培训，请另行咨询就近的日立营业人员。

2. Setup (Remote APP)



HITACHI

Set up CPTTrans / Remote APP for this time's lecture.
本次将针对培训用途对CPTrans进行设置。

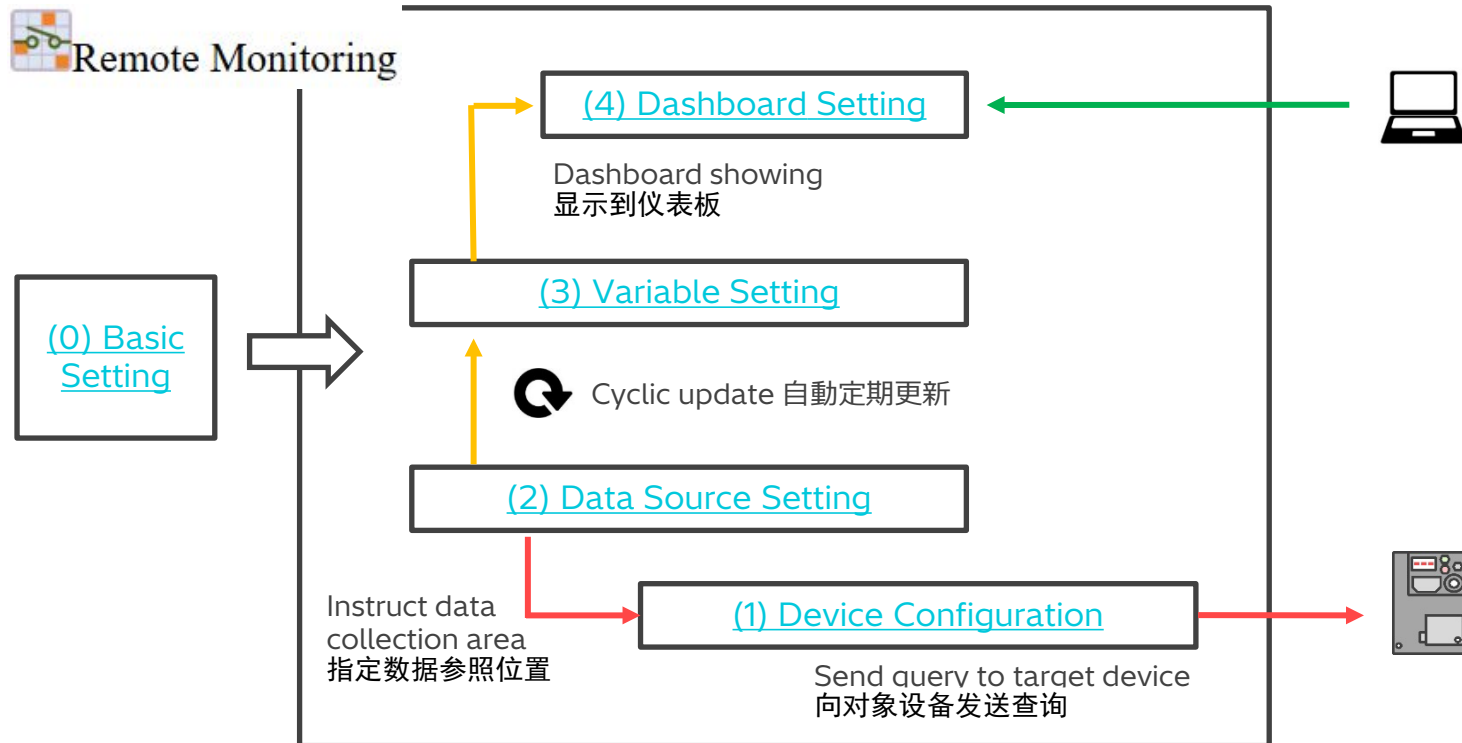


2. Setup (Remote APP)



HITACHI

Following shows system structure which explain what Remote APP is doing.
以下说明远程监控应用的操作概要。

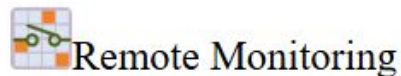


2. Setup (Basic Setting)



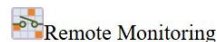
HITACHI

For Remote APP setting, kindly move to “Main page” after APP is opened.
使用接点监控应用时，请在打开应用后选择「主页面」。



English / 英語表示

CPTrans MGW



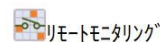
- [about this application](#)
- [Main page](#)
- manage
 - [process state](#)
 - [about](#)
- [Home](#)

Remote Monitoring

[main page](#)

Japanese / 日本語表示

CPTrans MGW



- [このアプリケーションについて](#)
- [メインページ](#)
- 管理
 - [プロセス状態](#)
 - [about](#)
- [ホームへ戻る](#)

リモートモニタリング

[メインページ](#)

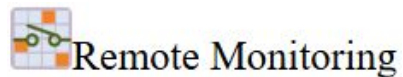
*) For each GUI details, kindly refer to the [Appendix](#).
关于图形界面的详细说明，也请参阅附录（Appendix）。

2. Setup (Basic Setting)



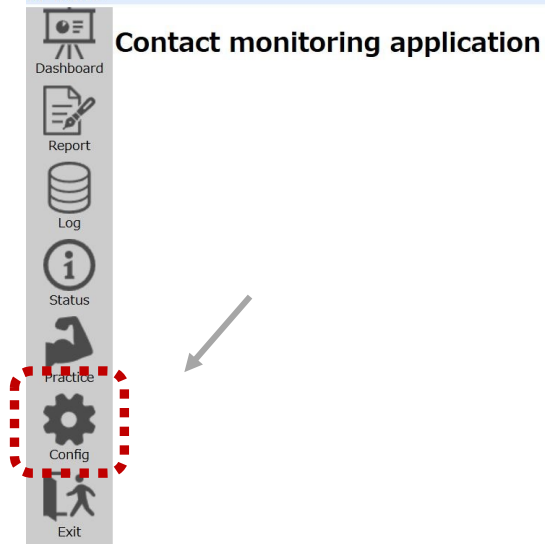
HITACHI

Select “Config” to apply each setting.
请选择「设置」进入各项设置画面。



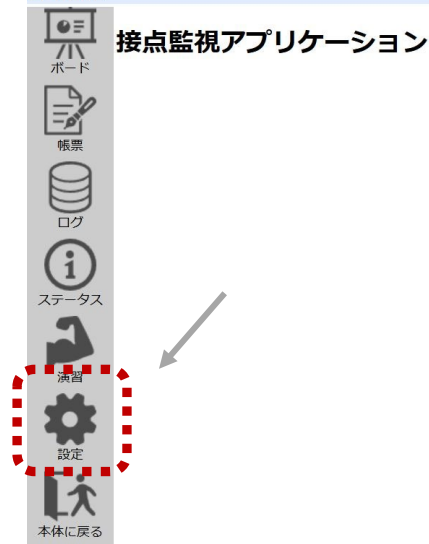
English / 英語表示

CPTTrans



Japanese / 日本語表示

CPTTrans



2. Setup (Basic Setting)



HITACHI

List of configurations shall appear. Select basic configuration first.
将显示设置项目一览。请首先选择基本设置。



Remote Monitoring

English / 英語表示

[CPTans/Contact monitoring/ Config](#)

- [Basic configuration](#)
- [Modbus device configuration](#)
- [Data source settings](#)
- [Variable settings](#)
- [Action settings](#)
- [After hours/holiday settings](#)
- [Report settings](#)
- [Mail server settings](#)
- [Email template settings](#)
- [Schedule settings](#)
- [Exercise settings](#)
- [Dashboard settings](#)
- [Management server settings](#)
- [JSON template settings](#)
- [MQTT settings](#)
- [REST configuration](#)
- [IoT server synchronization settings](#)
- [certificates setting](#)
- [Exit](#)

Japanese / 日本語表示

[CPTans/接点監視/ 設定](#)

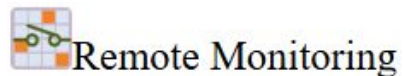
- [基本設定](#)
- [modbusデバイス設定](#)
- [データソース設定](#)
- [変数設定](#)
- [アクション設定](#)
- [時間外/休日設定](#)
- [帳票設定](#)
- [メールサーバ設定](#)
- [メールテンプレート設定](#)
- [スケジュール設定](#)
- [演習設定](#)
- [ダッシュボード設定](#)
- [管理サーバ設定](#)
- [JSONテンプレート設定](#)
- [MQTT設定](#)
- [REST設定](#)
- [IoTサーバ同期設定](#)
- [証明書設定](#)
- [ボードに戻る](#)

2. Setup (Basic Setting)



HITACHI

Change language setting following to your preference (Internal language will be switched)
请按需将语言设置切换为任意语言使用（内部语言将随此设置切换）。



Basic configuration

▼ Basic configuration	
System name	SASE_CPT4 ...
Date change time	0 ...
System internal language settings Used for mail and reports.	English ▼ ...
Do not use SD cards. Functions related to logs and reports will be disabled.	☐ ...
Processing when there is insufficient free space on the SD card	Automatically clear old log files ▼ ...
If a future log is detected by rewinding the time setting	Ignore ▼ ...

SAVE



Email, Log and other system notification will all follow to this language setting.

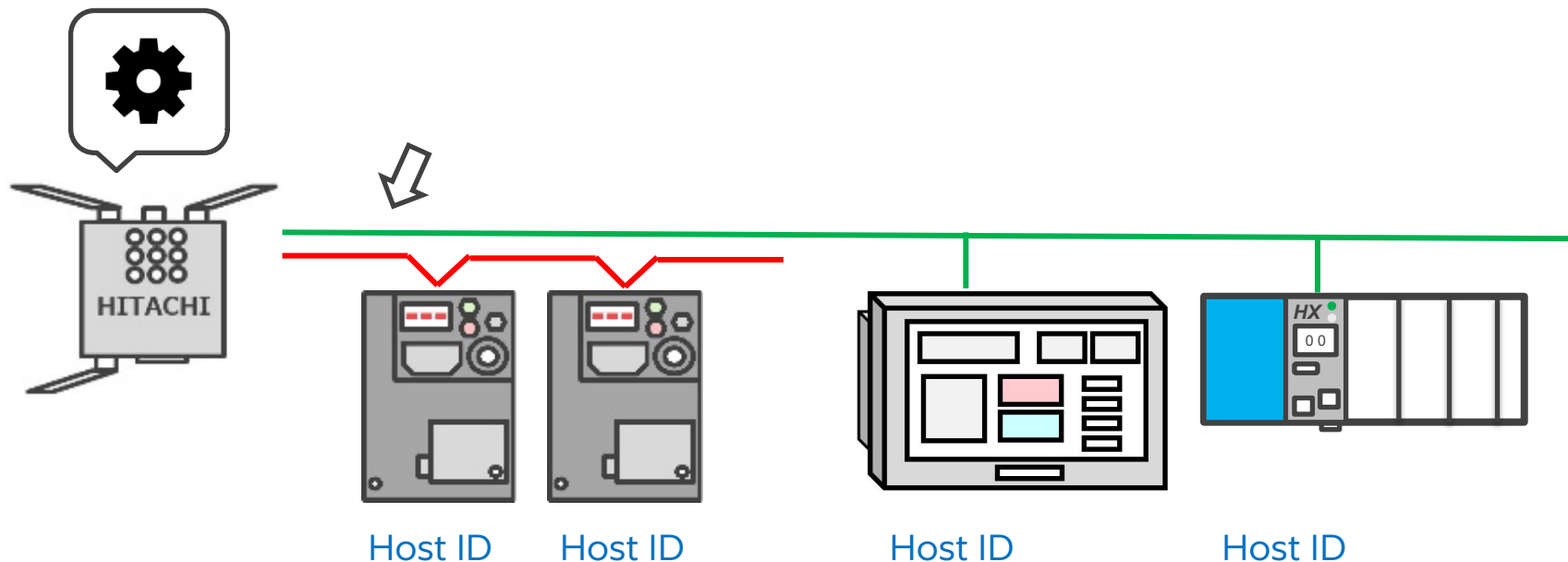
邮件发送、日志获取及其他系统运行时的通知语言将随此设置切换。

2. Setup (Device Configuration)



HITACHI

Add Device setting in CPTrans Remote APP (What device is connected with CPTrans)
向CPTrans的远程监控应用中添加连接设备。（设置连接了哪个设备的配置）



2. Setup (Device Configuration)



HITACHI

Select “Device Configuration” to adjust connection with slave devices.
请选择「设备配置」设置与从设备之间的通信参数。



Remote Monitoring

- [Basic configuration](#)
- [Device configuration](#)
- [Data source settings](#)
- [Variable settings](#)
- [Action settings](#)
- [After hours/holiday settings](#)
- [Report settings](#)
- [Mail server settings](#)
- [Email template settings](#)
- [Schedule settings](#)
- [Exercise settings](#)
- [Dashboard settings](#)
- [JSON template settings](#)
- [MQTT settings](#)
- [REST configuration](#)
- [IoT server synchronization settings](#)
- [certificates setting](#)
- [Manage settings](#)
- [Exit](#)

Device Configuration Details

Device configuration

Modbus-TCP device setting

+	Modbus-TCP device	...
+	MICRO-EHVP_01	...
Add element		

Modbus-RTU settings

▼	Modbus-RTU
Modbus-RTU operation method	
baud	
parity	
stop bit	
+	Modbus-RTU device
+	WJC1_01
+	HT20_01
Add element	

If slave device is connected via Modbus-TCP, add element from Modbus-TCP device. If slave device is connected via Modbus-RTU, then add element from Modbus-RTU device.

如果从设备通过Modbus-TCP连接请从Modbus-TCP设备中选择Add Element。

如果从设备通过Modbus-RTU连接请从Modbus-RTU设备中选择Add Element。

2. Setup (Device Configuration)



HITACHI

Set as per sample for this area
本次请按如下进行设置。



Remote Monitoring

- [Basic configuration](#)
- [Device configuration](#)
- [Data source settings](#)
- [Variable settings](#)
- [Action settings](#)
- [After hours/holiday settings](#)
- [Report settings](#)
- [Mail server settings](#)
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- [Schedule settings](#)
- [Exercise settings](#)
- [Dashboard settings](#)
- [JSON template settings](#)
- [MQTT settings](#)
- [REST configuration](#)
- [IoT server synchronization settings](#)
- [certificates setting](#)
- [Manage settings](#)
- [Exit](#)

Device Configuration Details

Modbus-RTU settings

▼ Modbus-RTU	
Modbus-RTU operation method	Master mode: This device accesses other Modbus devices. This is the mos
baud	9600
parity	none
stop bit	1
Modbus-RTU device	
▼ ↑ ↓ × WJC1_01	
Host ID	Operation Master Mode
Device address	Baud 9600
Maximum number of registers that can be obtained in one Modbus access	Parity None
	Stop Bit 1
Failure limit. If communication fails continuously for more than this number of times, it will be considered a communication failure.	3
Actions when communication fails	Do nothing

SAVE

2. Setup (Device Configuration)



HITACHI

Set as per sample for this area
本次请按如下进行设置。



Remote Monitoring

- [Basic configuration](#)
- [Device configuration](#)
- [Data source settings](#)
- [Variable settings](#)
- [Action settings](#)
- [After hours/holiday settings](#)
- [Report settings](#)
- [Mail server settings](#)
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- [Schedule settings](#)
- [Exercise settings](#)
- [Dashboard settings](#)
- [JSON template settings](#)
- [MQTT settings](#)
- [REST configuration](#)
- [IoT server synchronization settings](#)
- [certificates setting](#)
- [Manage settings](#)
- [Exit](#)

Device Configuration Details

Modbus-RTU settings

▼ Modbus-RTU	
Modbus-RTU operation method	Device Name WJC1_01
baud	Host ID HOST02_WJC1
parity	Device Address 1
stop bit	
Modbus-RTU device	
▼ ↑ ↓ × WJC1_01	
Host ID	HOST02_WJC1
Device address	1
Maximum number of registers that can be obtained in one Modbus access	64
Failure limit. If communication fails continuously for more than this number of times, it will be considered a communication failure.	3
Actions when communication fails	⌂ Do nothing

[Go to action settings](#)

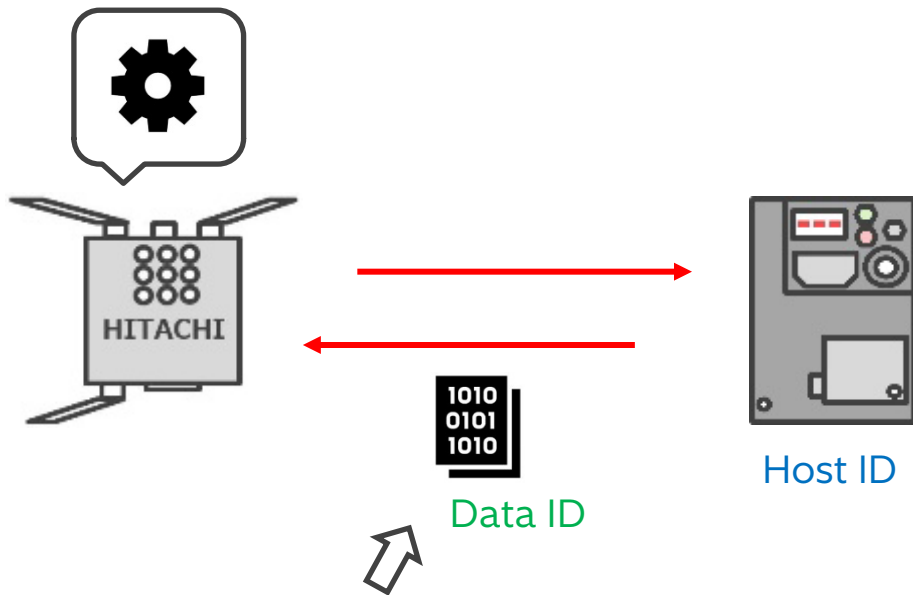
SAVE

2. Setup (Data Source Setting)



HITACHI

Add Data source setting in CPTrans Remote APP (Which data to capture)
向CPTrans的远程监控应用中添加数据源。（设置要获取哪些数据的配置）



2. Setup (Data Source Setting)



HITACHI

Select “Data Source Setting” to configure which register/coil address to collect from each slave.
请选择「数据源设置」，设置要从各从设备获取哪些寄存器・线圈信息。



Remote Monitoring

- [Basic configuration](#)
- [Device configuration](#)
- [Data source settings](#)
- [Variable settings](#)
- [Action settings](#)
- [After hours/holiday settings](#)
- [Report settings](#)
- [Mail server settings](#)
- [Email template settings](#)
- [Schedule settings](#)
- [Exercise settings](#)
- [Dashboard settings](#)
- [JSON template settings](#)
- [MQTT settings](#)
- [REST configuration](#)
- [IoT server synchronization settings](#)
- [certificates setting](#)
- [Manage settings](#)
- [Exit](#)

Data Source Setting Details

Data source settings

Digital (contact) data source settings

↓ Contact data source settings ...

Add element

Analog data source configuration

↓ Analog data source configuration ...

Add element

SAVE

If collect coil information (Digital contact information), select Add element from Contact data source setting. If collect register information (Analogue data source information), select Add element from Analogue data source configuration.

收集线圈信息（数字接点）时，请选择Contact Data source setting；收集寄存器信息（模拟数值）时，请选择Analogue data source configuration，并按需选择所需数量。

2. Setup (Data Source Setting)



HITACHI

Set as per sample for this area
本次请按如下进行设置。



Remote Monitoring

- [Basic configuration](#)
- [Device configuration](#)
- [Data source settings](#)
- [Variable settings](#)
- [Action settings](#)
- [After hours/holiday settings](#)
- [Report settings](#)
- [Mail server settings](#)
- [Email template settings](#)
- [Schedule settings](#)
- [Exercise settings](#)
- [Dashboard settings](#)
- [JSON template settings](#)
- [MQTT settings](#)
- [REST configuration](#)
- [IoT server synchronization settings](#)
- [certificates setting](#)
- [Manage settings](#)
- [Exit](#)

Data Source Setting Details

Data source settings

Digital (contact) data source settings

Contact data source settings

UNIT02_01	
ID	WJC1_01_RUN
Type	Modbus
Host	HOST02_WJC1(WJC1_01)
Function	coil
register number	Hexadecimal(0x) 15
Make this source controllable. If false, no writing will be performed.	☐
Inverted. Normally 0=OFF/1=ON, but if checked, 0=ON/1=OFF.	☐
Enable noise protection	☒
Minimum value of OFF pulse. OFF pulses shorter than this time are ignored	1 seconds
Minimum value of ON pulse. ON pulses shorter than this time are ignored	1 seconds

Name	UNIT02_01
ID	WJC1_01_RUN
Type	Modbus
Host	HOST02_WJC1
Function	Coil
Number	0x15

SAVE

2. Setup (Data Source Setting)



HITACHI

Set as per sample for this area
本次请按如下进行设置。



Remote Monitoring

- [Basic configuration](#)
- [Device configuration](#)
- [Data source settings](#)
- [Variable settings](#)
- [Action settings](#)
- [After hours/holiday settings](#)
- [Report settings](#)
- [Mail server settings](#)
- [Email template settings](#)
- [Schedule settings](#)
- [Exercise settings](#)
- [Dashboard settings](#)
- [JSON template settings](#)
- [MQTT settings](#)
- [REST configuration](#)
- [IoT server synchronization settings](#)
- [certificates setting](#)
- [Manage settings](#)
- [Exit](#)

Data Source Setting Details

UNIT02_02	
ID	WJC1_01_RV
Type	Modbus
Host	HOST02_WJC1(WJC1_01)
Function	coil
register number	Hexadecimal(0x) 16
Make this source controllable. If false, no writing will be performed.	☐
Inverted. Normally 0=OFF/1=ON, but if checked, 0=ON/1=OFF.	☐
Enable noise protection	☒
Minimum value of OFF pulse. OFF pulses shorter than this time are ignored	100 milliseconds
Minimum value of ON pulse. ON pulses shorter than this time are ignored	100 milliseconds

Name	UNIT02_02
ID	WJC1_01_RV
Type	Modbus
Host	HOST02_WJC1
Function	Coil
Number	0x16

SAVE

2. Setup (Data Source Setting)



HITACHI

Set as per sample for this area
本次请按如下进行设置。



Remote Monitoring

- [Basic configuration](#)
- [Device configuration](#)
- [Data source settings](#)
- [Variable settings](#)
- [Action settings](#)
- [After hours/holiday settings](#)
- [Report settings](#)
- [Mail server settings](#)
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- [Exercise settings](#)
- [Dashboard settings](#)
- [JSON template settings](#)
- [MQTT settings](#)
- [REST configuration](#)
- [IoT server synchronization settings](#)
- [certificates setting](#)
- [Manage settings](#)
- [Exit](#)

Data Source Setting Details

UNIT02_03

ID	WJC1_01_DO11
Type	Modbus
Host	HOST02_WJC1(WJC1_01)
Function	coil
register number	Hexadecimal(0x) 19
Make this source controllable. If false, no writing will be performed.	☐
Inverted. Normally 0=OFF/1=ON, but if checked, 0=ON/1=OFF.	☐
Enable noise protection	☒
Minimum value of OFF pulse. OFF pulses shorter than this time are ignored	100 milliseconds
Minimum value of ON pulse. ON pulses shorter than this time are ignored	100 milliseconds

NameUNIT02_03
IDWJC1_01_DO11
TypeModbus
HostHOST02_WJC1
FunctionCoil
Number0x19

...

...

...

...

...

SAVE

2. Setup (Data Source Setting)



HITACHI

Set as per sample for this area
本次请按如下进行设置。



Remote Monitoring

- [Basic configuration](#)
- [Device configuration](#)
- [Data source settings](#)
- [Variable settings](#)
- [Action settings](#)
- [After hours/holiday settings](#)
- [Report settings](#)
- [Mail server settings](#)
- [Email template settings](#)
- [Schedule settings](#)
- [Exercise settings](#)
- [Dashboard settings](#)
- [JSON template settings](#)
- [MQTT settings](#)
- [REST configuration](#)
- [IoT server synchronization settings](#)
- [certificates setting](#)
- [Manage settings](#)
- [Exit](#)

Data Source Setting Details

UNIT02_04	
ID	WJC1_01_AL
Type	Modbus
Host	HOST02_WJC1(WJC1_01)
Function	coil
register number	Hexadecimal(0x) 1f
Make this source controllable. If false, no writing will be performed.	☐
Inverted. Normally 0=OFF/1=ON, but if checked, 0=ON/1=OFF.	☐
Enable noise protection	☒
Minimum value of OFF pulse. OFF pulses shorter than this time are ignored	1 seconds
Minimum value of ON pulse. ON pulses shorter than this time are ignored	1 seconds

Name UNIT02_04
ID WJC1_01_AL
Type Modbus
Host HOST02_WJC1
Function Coil
Number 0x1F

SAVE

2. Setup (Data Source Setting)



HITACHI

Set as per sample for this area
本次请按如下进行设置。



Remote Monitoring

- [Basic configuration](#)
- [Device configuration](#)
- [Data source settings](#)
- [Variable settings](#)
- [Action settings](#)
- [After hours/holiday settings](#)
- [Report settings](#)
- [Mail server settings](#)
- [Email template settings](#)
- [Schedule settings](#)
- [Exercise settings](#)
- [Dashboard settings](#)
- [JSON template settings](#)
- [MQTT settings](#)
- [REST configuration](#)
- [IoT server synchronization settings](#)
- [certificates setting](#)
- [Manage settings](#)
- [Exit](#)

Data Source Setting Details

Analog data source configuration

Analog data source configuration	
UNIT02_05	
ID	WJC1_01_HZ
Type	Modbus
Host	HOST02_WJC1(WJC1_01)
Function	holding register
register number	Hexadecimal(0x) 2711
data type	unsigned
data length	1

Name	UNIT02_05
ID	WJC1_01_HZ
Type	Modbus
Host	HOST02_WJC1
Function	Holding Register
Number	0x2711
Type	Unsigned
Length	1

SAVE

2. Setup (Data Source Setting)



HITACHI

Set as per sample for this area
本次请按如下进行设置。



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Data Source Setting Details

UNIT02_06	
ID	WJC1_01_VL
Type	Modbus
Host	HOST02_WJC1(WJC1_01)
Function	holding register
register number	Hexadecimal(0x) 2722
data type	unsigned
data length	1

Name	UNIT02_06
ID	WJC1_01_VL
Type	Modbus
Host	HOST02_WJC1
Function	Holding Register
Number	0x2722
Type	Unsigned
Length	1

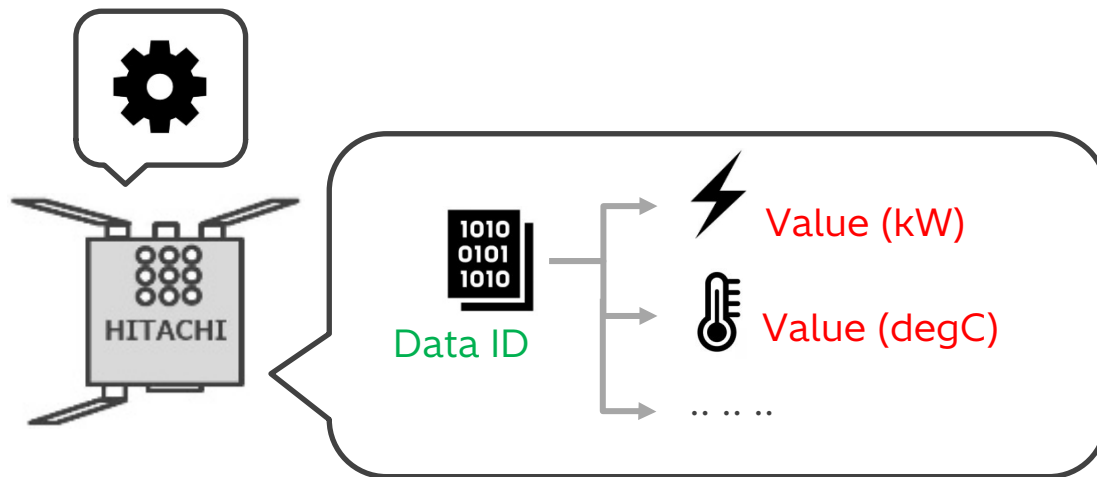
SAVE

2. Setup (Variable Setting)



HITACHI

Add Variable setting in CPTrans Remote APP. (How data shall be converted)
向CPTrans的远程监控应用中添加变量设置。（设置如何为数据赋予含义的配置）



2. Setup (Variable Setting)



HITACHI

Select “Variable Setting” to assign collected data with internal variable to be used in Contact APP.
请选择「变量设置」，设置如何将所获取的数据对应到接点监控应用内部使用的变量中。



Remote Monitoring

[Variable Setting Details](#)

- [Basic configuration](#)
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- **Variable settings**
- [Action settings](#)
- [After hours/holiday settings](#)
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Variable settings

Variable settings

Add element

SAVE

2. Setup (Variable Setting)



HITACHI

Set as per sample for this area
本次请按如下进行设置。



Remote Monitoring

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- [Device configuration](#)
- [Data source settings](#)
- [Variable settings](#)**
- [Action settings](#)
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- [Exit](#)

Variable settings

Variable Setting Details

Variable settings	
OPERATION	
ID	varUNIT02_RUN
Type (text)	
Comment (text)	
Source type	Digital (contact), specify source ID
Digital (contact) source	WJC1_01_RUN(UNIT02_01)
Digital (contact) preprocessing	Using instantaneous values
Display when ON	
Text	RUN
Importance	2
Display color	Green (safety)
Action when ON	Do nothing
Action that triggers the continuation of ON time. If ON is maintained for the [Initial continuation time], an action occurs, and then the action occurs continuously at the cycle of the [Action interval].	
	Do nothing

Display when OFF	
Text	STOP
Importance	0
Display color	Gray
Action when OFF	Do nothing
Action that triggers the continuation of OFF time. If OFF is maintained for the [Initial continuation time], an action occurs, and then the action occurs continuously at the cycle of the [Action interval].	
	Do nothing
Overwrite with another value when data acquisition fails	☒
Value to assume when data acquisition fails	OFF

Name	OPERATION
ID	varUNIT02_RUN
Source type	Digital
Source	WJC1_01_RUN
ON →	Text: RUN Display: Green
OFF →	Text: STOP Display: Gray

2. Setup (Variable Setting)



HITACHI

Set as per sample for this area
本次请按如下进行设置。



Remote Monitoring

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- [Exit](#)

Variable Setting Details

DIRECTION	
ID	varUNIT02_RV
Type (text)	
Comment (text)	
Source type	Digital (contact), specify source ID
Digital (contact) source	WJC1_01_RV(UNIT02_02)
Digital (contact) preprocessing	Using instantaneous values
Display when ON	
Text	Reverse
Importance	2
Display color	Orange (warning)
Action when ON	Do nothing
Action that triggers the continuation of ON time. If ON is maintained for the [Initial continuation time], an action occurs, and then the action occurs continuously at the cycle of the [Action interval].	
	Do nothing

Display when OFF	
Text	Forward
Importance	0
Display color	Green (safety)
Action when OFF	Do nothing
Action that triggers the continuation of OFF time. If OFF is maintained for the [Initial continuation time], an action occurs, and then the action occurs continuously at the cycle of the [Action interval].	
	Do nothing
Overwrite with another value when data acquisition fails	☐

Name	DIRECTION
ID	varUNIT02_RV
Source type	Digital
Source	WJC1_01_RV
ON →	Text: Reverse Display: Orange
OFF →	Text: Forward Display: Green

2. Setup (Variable Setting)



HITACHI

Set as per sample for this area
本次请按如下进行设置。



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Variable Setting Details

SPEED	
ID	varUNIT02_FA1
Type (text)	
Comment (text)	
Source type	Digital (contact), specify source ID
Digital (contact) source	WJC1_01_DO11(UNIT02_03)
Digital (contact) preprocessing	Using instantaneous values
Display when ON	
Text	Reach
Importance	0
Display color	Green (safety)
Action when ON	Do nothing
Action that triggers the continuation of ON time. If ON is maintained for the [Initial continuation time], an action occurs, and then the action occurs continuously at the cycle of the [Action interval].	
	Do nothing

Display when OFF	
Text	Changing
Importance	2
Display color	Orange (warning)
Action when OFF	Do nothing
Action that triggers the continuation of OFF time. If OFF is maintained for the [Initial continuation time], an action occurs, and then the action occurs continuously at the cycle of the [Action interval].	
	Do nothing
Overwrite with another value when data acquisition fails	☒
Value to assume when data acquisition fails	ON

Name	SPEED
ID	varUNIT02_FA1
Source type	Digital
Source	WJC1_01_DO11
ON →	Text: Reach Display: Green
OFF →	Text: Changing Display: Orange

2. Setup (Variable Setting)



HITACHI

Set as per sample for this area
本次请按如下进行设置。



Remote Monitoring

- Basic configuration
- Device configuration
- Data source settings
- Variable settings**
- Action settings
- After hours/holiday settings
- Report settings
- Mail server settings
- Email template settings
- Schedule settings
- Exercise settings
- Dashboard settings
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- Manage settings
- Exit

Variable Setting Details

ALARM STATE	
ID	varUNIT02_AL
Type (text)	
Comment (text)	
Source type	Digital (contact), specify source ID
Digital (contact) source	WJC1_01_AL(UNIT02_04)
Digital (contact) preprocessing	Using instantaneous values
Display when ON	
Text	Alarm ON
Importance	4
Display color	Red (danger)
Action when ON	ACTION_ALARM01(UNIT02 ALERT DETECT)
Action that triggers the continuation of ON time. If ON is maintained for the [Initial continuation time], an action occurs, and then the action occurs continuously at the cycle of the [Action interval].	
	Do nothing

Display when OFF	
Text	Normal
Importance	0
Display color	Green (safety)
Action when OFF	Do nothing
Action that triggers the continuation of OFF time. If OFF is maintained for the [Initial continuation time], an action occurs, and then the action occurs continuously at the cycle of the [Action interval].	
	Do nothing
Overwrite with another value when data acquisition fails	☐

Name	ALARM STATE
ID	varUNIT02_AL
Source type	Digital
Source	WJC1_01_AL
ON →	Text: Alarm ON Display: Red
OFF →	Text: Normal Display: Green

2. Setup (Variable Setting)



HITACHI

Set as per sample for this area
本次请按如下进行设置。



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Variable Setting Details

Hz MONITOR	
ID	varUNIT02_HZ
Type (text)	
Comment (text)	
Source type	Specify analog value, source ID
Analog source	WJC1_01_HZ(UNIT02_05)
Analog preprocessing	Using instantaneous values
Perform moving average processing	☐
Magnification	0.01
Units (text)	Hz
Display accuracy (number of digits)	2
How to count display accuracy (number of digits)	Specify by the number of digits after the decimal point (%.f format)

Name	Hz MONITOR
ID	varUNIT02_HZ
Source type	Analogue
Source	WJC1_01_HZ
Mag.	0.01
Unit	Hz
Display	2
How to	%.f format

2. Setup (Variable Setting)



HITACHI

Set as per sample for this area
本次请按如下进行设置。



Remote Monitoring

- Basic configuration
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- Action settings
- After hours/holiday settings
- Report settings
- Mail server settings
- Email template settings
- Schedule settings
- Exercise settings
- Dashboard settings
- JSON template settings
- MQTT settings
- REST configuration
- IoT server synchronization settings
- certificates setting
- Manage settings
- Exit

Variable Setting Details

Analogue value rank setting. Set the name and action when the variable exceeds the threshold.

Rank Name	Threshold (rise)	Threshold (down)	Importance	Color for displaying this rank	Actions to take when reaching this rank	Actions to take when you get out of this rank	Action that triggers the continuation of this rank
Speed Very High	41	40.5	2	Red (danger)	Do nothing	Do nothing	Do nothing
Speed High	31	30.5	2	Orange (warning)	Do nothing	Do nothing	Do nothing

Speed Normal	21	20.5	2	Green (safely)	Do nothing	Do nothing	Do nothing
Speed Low	11	10.5	2	Yellow (caution)	Do nothing	Do nothing	Do nothing

2. Setup (Variable Setting)



HITACHI

Set as per sample for this area
本次请按如下进行设置。



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Variable Setting Details

▼	1	×	Speed Very Low	...
Threshold (rise). If it exceeds this value, it will become this rank				
	1			...
Threshold (down). If it falls below this value, you will be removed from this rank				
	0.5			...
The importance of this rank				
	2			▼
Color for displaying this rank				
	Yellow (caution)			▼
Actions to take when reaching this rank				
	Do nothing			▼
Go to action settings				
Actions to take when you get out of this rank				
	Do nothing			▼
Go to action settings				
Action that triggers the continuation of this rank. If this rank is maintained for the [Rank continuation time], an action occurs, and then the action occurs continuously at the cycle of the [Action interval].				
Add element				
▼ Action when the analog value changes				
Action when the analog value changes				
	Do nothing			▼
Overwrite with another value when data acquisition fails				
	☒			...
Value to assume when data acquisition fails				
	0			...

Name	Speed Very High (X>41) Red
	Speed High (X>31) Orange
	Speed Normal (X>21) Green
	Speed Low (X>11) Yellow
	Speed Very Low (X>1) Yellow

2. Setup (Variable Setting)



HITACHI

Set as per sample for this area
本次请按如下进行设置。



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Variable Setting Details

VOLT MONITOR	
ID	varUNIT02_VL
Type (text)	
Comment (text)	
Source type	Specify analog value, source ID
Analog source	WJC1_01_VL(UNIT02_06)
Analog preprocessing	Using instantaneous values
Perform moving average processing	☐
Magnification	0.1
Units (text)	V
Display accuracy (number of digits)	1
How to count display accuracy (number of digits)	Specify by the number of digits after the decimal point (%.f format)
+ Analog value rank setting. Set the name and action when the variable exceeds the threshold.	
Add element	
Action when the analog value changes	
Action when the analog value changes	Do nothing
Overwrite with another value when data acquisition fails	☒
Value to assume when data acquisition fails	0

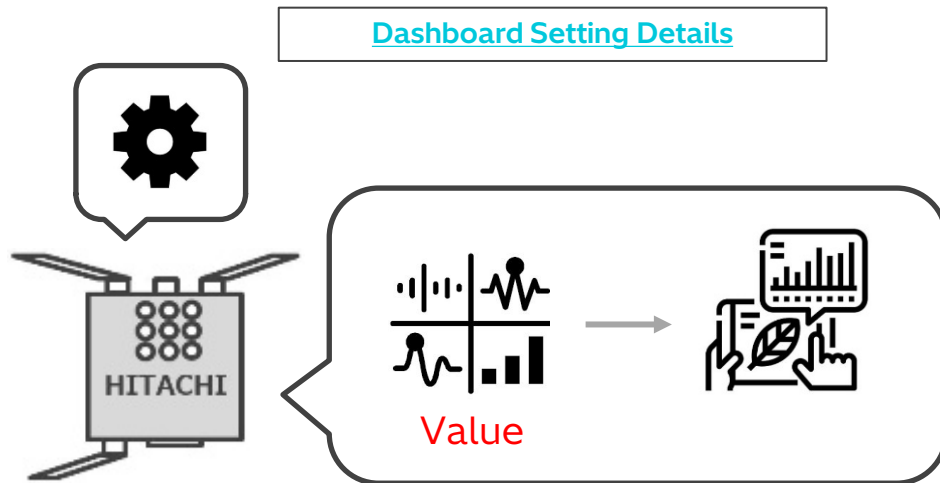
Name	VOLT MONITOR
ID	varUNIT02_VL
Source type	Analogue
Source	WJC1_01_VL
Mag.	0.1
Unit	V
Display	1
How to	%.f format

2. Setup (Dashboard Setting)



HITACHI

Add Dashboard setting in CPTrans Remote APP. (How data shall be shown)
向CPTrans的远程监控应用中添加仪表盘设置。（设置如何展示数据的配置）



2. Setup (Dashboard Setting)



HITACHI

Select “Dashboard Setting” to design internal variables to be shown in the dashboard.
请选择「仪表板设置」，设置如何在仪表板上显示内部变量。



Remote Monitoring

[Dashboard Setting Details](#)

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- [Device configuration](#)
- [Data source settings](#)
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- [Action settings](#)
- [After hours/holiday settings](#)
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Dashboard settings

Dashboard

Add element

SAVE

2. Setup (Dashboard Setting)



HITACHI

Set as per sample for this area
本次请按如下进行设置。



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Dashboard Setting Details

INVERTER 01	
Dashboard ID	Inverter_WJC1_Unit01
Display method	Panel display
Display order	Display content settings in order
Hide less important elements ☐	
Content	
Hz Graph	
Element type	Line graph (4x4)
Target variable ID	varUNIT02_HZ(Hz MONITOR)
Duration (1 minute to 24 hours)	10 minutes
Minimum value of scale	0
Maximum value of scale	50
Color	Black
Hz Value	
Element type	Indicator (2x2)
Target variable ID	varUNIT02_HZ(Hz MONITOR)
Minimum value of scale	0
Maximum value of scale	60

Dashboard ID INVERTER 01
Inverter_WJC1_Unit01

<Content1>
Name Hz Graph
Type Line Graph (4*4)
ID varUNIT02_HZ
Duration 10 minutes
Min scale 0
Max scale 50

<Content2>
Name Hz Value
Type Indicator (2*2)
ID varUNIT02_HZ
Min scale 0
Max scale 60

2. Setup (Dashboard Setting)



HITACHI

Set as per sample for this area
本次请按如下进行设置。



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Dashboard Setting Details

▼ ↑ ×	Hz Value2	
Element type	Single stat (2x2)	
Target variable ID	varUNIT02_HZ(Hz MONITOR)	
▼ ↑ ×	V Value	
Element type	Indicator (2x2)	
Target variable ID	varUNIT02_VL(VOLT MONITOR)	
Minimum value of scale	0	
Maximum value of scale	300	
▼ ↑ ×	V Value2	
Element type	Single stat (2x2)	
Target variable ID	varUNIT02_VL(VOLT MONITOR)	
▼ ↑ ×	RUN Condition	
Element type	Single stat (2x2)	
Target variable ID	varUNIT02_RUN(OPERATION)	
▼ ↑ ×	RV Condition	
Element type	Single stat (2x2)	
Target variable ID	varUNIT02_RV(DIRECTION)	
▼ ↑ ×	FA1 Condition	
Element type	Single stat (2x2)	
Target variable ID	varUNIT02_FA1(SPEED)	
▼ ↑ ×	AL Condition	
Element type	Single stat (2x2)	
Target variable ID	varUNIT02_AL(ALARM STATE)	

<Content3>

Name Hz Value2
Type Single Stat (2*2)
ID varUNIT02_HZ

<Content4>

Name V Value
Type Indicator (2*2)
ID varUNIT02_VL
Min scale 0
Max scale 300

<Content5>

Name V Value2
Type Single Stat (2*2)
ID varUNIT02_VL

2. Setup (Dashboard Setting)



HITACHI

Set as per sample for this area
本次请按如下进行设置。



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Dashboard Setting Details

▼ ↑ ×	Hz Value2
Element type	Single stat (2x2)
Target variable ID	varUNIT02_HZ(Hz MONITOR)
▼ ↑ ×	V Value
Element type	Indicator (2x2)
Target variable ID	varUNIT02_VL(VOLT MONITOR)
Minimum value of scale	0
Maximum value of scale	300
▼ ↑ ×	V Value2
Element type	Single stat (2x2)
Target variable ID	varUNIT02_VL(VOLT MONITOR)
▼ ↑ ×	RUN Condition
Element type	Single stat (2x2)
Target variable ID	varUNIT02_RUN(OPERATION)
▼ ↑ ×	RV Condition
Element type	Single stat (2x2)
Target variable ID	varUNIT02_RV(DIRECTION)
▼ ↑ ×	FA1 Condition
Element type	Single stat (2x2)
Target variable ID	varUNIT02_FA1(SPEED)
▼ ↑ ×	AL Condition
Element type	Single stat (2x2)
Target variable ID	varUNIT02_AL(ALARM STATE)

<Content6>

Name RUN Condition
Type Single Stat (2*2)
ID varUNIT02_RUN

<Content7>

Name RV Condition
Type Single Stat (2*2)
ID varUNIT02_RV

<Content8>

Name FA1 Condition
Type Single Stat (2*2)
ID varUNIT02_FA1

<Content9>

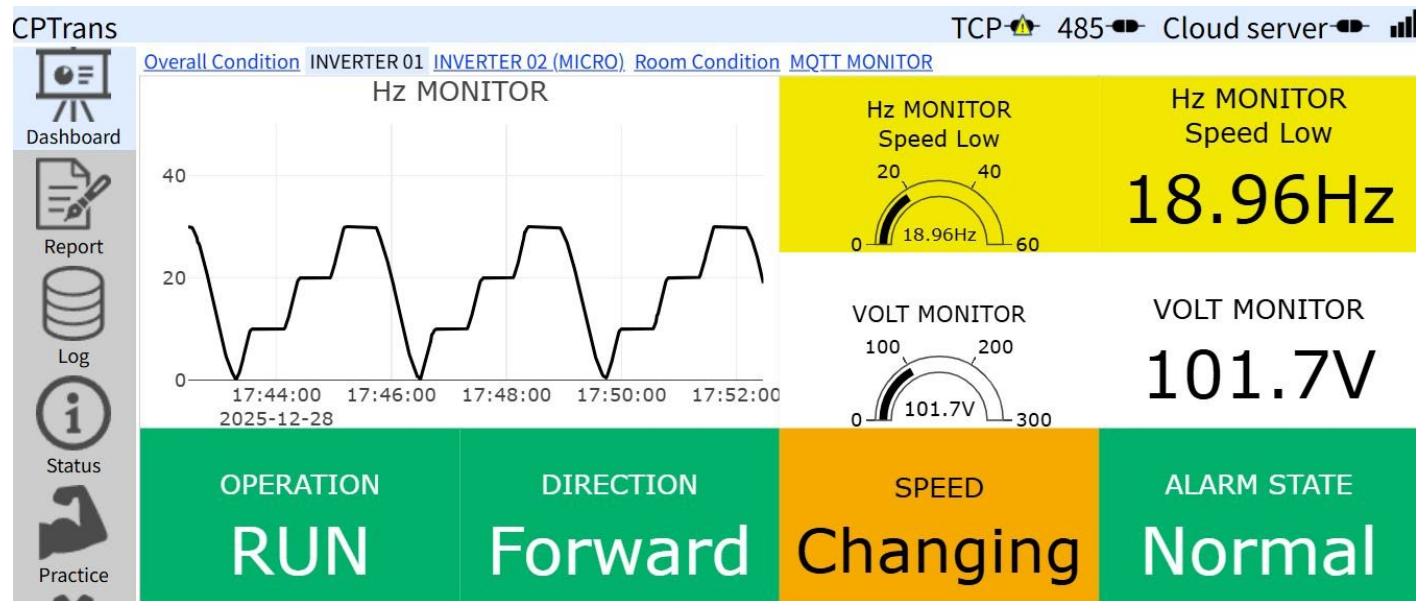
Name AL Condition
Type Single Stat (2*2)
ID varUNIT02_AL

3. Result



HITACHI

Following shall be the result of these settings.
完成这些设置后将得到以下结果。

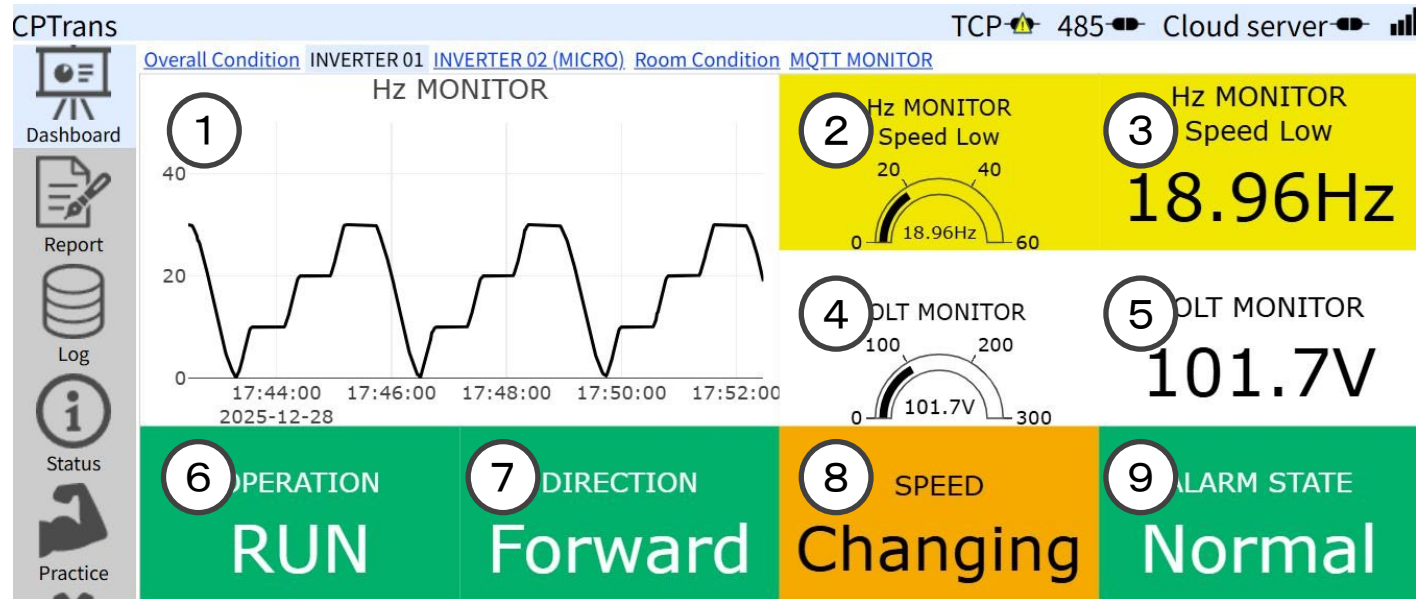


3. Result



HITACHI

Check content order and located position in the dashboard screen.
请确认随着所创建内容的顺序不同，布局也会相应变化。

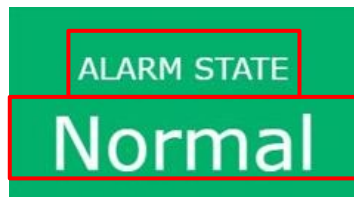


3. Result



HITACHI

Check dashboard content name and showing details following to its setting.
请确认仪表板的内容名称与各自的显示内容已相互关联。



ALARM STATE	
ID	varUNIT02_AL
Type (text)	
Comment (text)	
Source type	Digital (contact), specify source ID
Digital (contact) source	WJC1_01_AL(UNIT02_04)
Digital (contact) preprocessing	Using instantaneous values
Display when ON	
Text	Alarm ON
Importance	4
Display color	Red (danger)
Action when ON	ACTION_ALARM01(UNIT02 ALERT DETECT)
Action that triggers the continuation of ON time. If ON is maintained for the [Initial continuation time], an action occurs, and then the action occurs continuously at the cycle of the [Action interval].	
Do nothing	
Go to action settings	
Display when OFF	
Text	Normal
Importance	0
Display color	Green (safety)
Action when OFF	Do nothing
Go to action settings	
Action that triggers the continuation of OFF time. If OFF is maintained for the [Initial continuation time], an action occurs, and then the action occurs continuously at the cycle of the [Action interval].	
Do nothing	
Go to action settings	
Overwrite with another value when data acquisition fails	