We are concerned with "Basic Functions"
It provides security for office buildings, apartments, mansions, hotels, departmental stores, hospitals, schools and factories.

It has thoroughly explored the fundamental functions of the R-type system. More buildings than ever are installed with the R-type Fire Alarm system.
Comfortable Multiple System Method

Total extension distance: 1 system 2.4 km

MULTIPLE SYSTEM METHOD
(1 SYSTEM 127 ADDRESSES)

If the transmission route for the R-type Fire Alarm system uses a single system, a single failure may affect the entire system. Thus, based on the risk diversification philosophy, HOCHIKI incorporated a multiple-system design, which reduces the impact on the system to its minimum should a failure occurs.

TOTAL EXTENSION DISTANCE: 2.4KM

To monitor scattered buildings at a site, such as a factory, for instance, the transmission distance will be insufficient on the single system method and multiple control panels become necessary. With the multiple system designed by HOCHIKI, however, a single system can accommodate 2.4km of total extension distance. Thus, a single unit of the control panel can handle all the monitoring activities. This method provides much more room than the single system method.

Positioning R-type System

The R-type system of HOCHIKI is not easily affected by the noise interference generated by mobile phones.
Low-cost, clear display and user-friendly. The display and operation area features easily distinguishable design, colors and big buttons for easy operation. “User-friendliness” is the key idea here.

Display and operation functions concentrated in the
L350mm x W420mm
Wide display and operation area

The reliable
Dual check function

Standard installation (automatic test function + self-diagnosis function)

Besides the automatic test function required by the Japan Fire Service Law, implemented via the use of the automatic test function-equipped detector, its standard installation includes the unique self-diagnosis function which executes “detector operation test”, “detector contamination test” and “standby power test”. It cuts back on the running cost required by control and operation as well as improves the reliability.

Easy monitoring and control by means of
Detector data
(analog value)
Log function
standard installation

Equipped with monthly logging function for automatic test function-equipped detector data (analog value). When necessary, analog values of up to a month can be generated for display and printing. A more accurate control and operation (detailed knowledge of indoor environment condition) is achieved with lower unwanted alarm and appropriate sensitivity check.
The user-friendliness of the R-type system taken into consideration.

Flexible system building

Multi-line modules and monitor modules

The system's flexible setup allows various combinations of terminal devices via the use of various modules. For example, to install a conventional detector or connect an Intruder detection sensor, use the multi-line modules or monitor modules which allows the connection of 1 address and 4 lines. This arrangement provides the building with a delicate system.

Early detection of fire

Pre-Alarm function

Standard installation

The pre-alarm function constantly monitors the signals received from the analog function-equipped detector. It issues warning (pre-alarm) before the situation develops into a fire.

Design with the administrator in mind

Illustrated operation display

Easily understood illustrations are used for daily operations as well as emergency. The administrator needs not panic in an emergency.

Aggressive adoption of handy functions

Built-in printer which records system operation data

This function is handy as it records and prints detail data for each operation, including fire alarm, operation records of automatic test result, and manual inspection. It is useful for control and operation.

Conform to current needs

Conform to the new specification for Public Address

Standard installation

This system conforms to the new Japanese public address standard such as the signal transfer for fire verification (2nd fire alarm • Manual Call Point • fire identification).

Easy to understand

Compatible with the latest comprehensive control panel.

This system also conforms to the evaluation criteria for the comprehensive control panel (operation console). It is further integrated with the CRT display and can be used for detailed management of equipment information for the entire building.

Easy to understand

5.6 inch LCD

With the bright back-lit screen, the display is highly visible and easy to understand. 16 characters of “English, numeric, Kana, Kanji” or 13 characters + line number are adopted for the message display. The separate function further splits the screen into upper and lower part for fast checking and operation.

A wide scope of uses

Used for various purposes

5 display lamps

The standard installation includes 5 display lamps which can display the fire hydrant, sprinkler, smoke control and air-condition, etc., individually. The condition of the equipment to be monitored can be constantly displayed without switching over to the LCD. Direct input can be executed from the contact or input can be executed from the relay.

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This system also conforms to the evaluation criteria for the comprehensive control panel (operation console). It is further integrated with the CRT display and can be used for detailed management of equipment information for the entire building.

* Screen Display may differ according to the version of the system.
The system handles different types, scales, purposes and uses of building with ease.

Office Building • Tenant Building

This system provides flexible setup using modules which matches the types of equipment information, such as automatic fire alarm, gas leakage, Smoke Control and general monitor equipment, etc., and allows flexible combination of connection with terminals. When combined with other facilities, it provides the base for building a complete Fire Alarm environment which caters to the specific conditions of buildings.

Mansion • Apartment

This system caters to various types of building environment, uses and management systems (made possible via the automatic test function using devices such as indoor detectors which operate when the occupants are not around), such as the location and scale of buildings from a single block of high-rise mansion to multiple-block apartments. It is a Fire Alarm system designed with cost-effectiveness in mind.

Hotel • Resort

With the combined use of multi-signal detectors and fire monitor modules, etc., a flexible monitor system can be built for guest rooms and public rooms, etc. The privacy of your guests will be maintained with the use of the automatic test function.

Departmental Store • Shopping Centres

The system is useful for buildings of various scales and uses, include areas where an indefinite number of guests may visit, staff areas and parking spaces, etc. It helps to minimize confusion, which may arise during a fire, by its interlocked operations, such as the administrator emergency guidance feature and smoke control devices, etc.

Hospital • Research Institute

The automatic test function allows the heat and smoke tests to be omitted during the inspection, which allows a more comfortable environment for patients. In addition, R-type display panel, which provides identification information on locations far away from the control room, and annucliators, which display maps or lamps, can be installed in the nurse centres on every floor. As such, every floor will have a monitor system which runs 24-hours a day.

School • Factory

In the case of schools and factories, where various facilities are scattered around in the estates, a comfortably wide area monitor system can be constructed with the R-type system characterised by the multiple-system method, or the single-system method characterised by its extension distance of 2.4km/ system. It can also incorporate a centralised control using the CRT system.
Flexible system configuration, with free incorporation of variable modules that are...

### WALL-MOUNTED TYPE

![Wall-Mounted Type Diagram](image)

### FREESTANDING TYPE

![Freestanding Type Diagram](image)

<table>
<thead>
<tr>
<th>Type</th>
<th>Product code</th>
<th>No. of system</th>
<th>No. of address</th>
<th>Capacity of standby power</th>
<th>External dimension W x H x D</th>
<th>Weight kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wall mounted type</td>
<td>HRK-ACW254FGA</td>
<td>2</td>
<td>254</td>
<td>3.5AH</td>
<td>550 x 1100 x 160</td>
<td>Approx. 34</td>
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<tr>
<td></td>
<td>HRK-ACW508FGA</td>
<td>4</td>
<td>508</td>
<td>6.0AH</td>
<td></td>
<td>Approx. 38</td>
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<tr>
<td></td>
<td>HRK-ACW1016FGA</td>
<td>8</td>
<td>1016</td>
<td>6.0AH</td>
<td></td>
<td>Approx. 40</td>
</tr>
<tr>
<td>Free-standing type</td>
<td>HRK-ACS1016FGA</td>
<td>8</td>
<td>1016</td>
<td>6.0AH</td>
<td>600 x 2000 x 450</td>
<td>Approx. 127</td>
</tr>
<tr>
<td></td>
<td>HRK-ACS1524FGA</td>
<td>12</td>
<td>1524</td>
<td>10.0AH</td>
<td></td>
<td>Approx. 133</td>
</tr>
<tr>
<td></td>
<td>HRK-ACS2032FGA</td>
<td>16</td>
<td>2032</td>
<td></td>
<td></td>
<td>Approx. 135</td>
</tr>
</tbody>
</table>
PHOTOELECTRIC SPOT-TYPE SMOKE DETECTOR (multi-signal)

Product code: ALG-123LY
Rated power: DC 39.5V 30mA

RATE OF RISE SPOT-TYPE HEAT DETECTOR

Product code: ASA-2RLY
Rated power: DC 26V 30mA

FIXED-TEMPERATURE SPOT-TYPE HEAT DETECTOR

Product code: ATG-TA60LY
Rated power: DC 26V 30mA

MODULE

* Fire monitor modules (CHT-K4)

R-TYPE DISPLAY PANEL

Product code: HEX-1PE
Transmission distance: Up to 1km (from control panel)
Display: Back-Lit LCD
Alarm: Buzzer (option: synthetic sound)
External dimension: (W) 300 x (H) 380 x (D) 70mm
Weight: Approx. 6kg (including battery)

PRODUCT DEVICES

<table>
<thead>
<tr>
<th>Purpose</th>
<th>Fire monitor</th>
<th>Leakage monitor</th>
<th>Standard contact monitor</th>
<th>Smoke control</th>
<th>Bell control</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product</td>
<td>CHT-K4</td>
<td>CHT-G4</td>
<td>CHT-S4</td>
<td>CHT-R4</td>
<td>CHT-D2</td>
</tr>
<tr>
<td>Current consumption</td>
<td>620µA</td>
<td>270µA</td>
<td>Contact ≥320µA</td>
<td>2800µA</td>
<td>2200µA</td>
</tr>
<tr>
<td>Applicable wire</td>
<td>ø0.8mm ~ ø1.6mm (single line)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Temperature range</td>
<td>-10˚C ~ 50˚C (for indoor)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Material</td>
<td>Self-extinguish resin</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Color</td>
<td>Grey</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>External dimension</td>
<td>(W) 30 x (H) 200 x (D) 72mm</td>
<td></td>
<td></td>
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<td></td>
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<tr>
<td>Weight</td>
<td>Approx. 160g</td>
<td>Approx. 140g</td>
<td>Approx. 140g</td>
<td>Approx. 170g</td>
<td>Approx. 140g</td>
</tr>
</tbody>
</table>

SERVICE DEVICES

| Conventional Detector   | Hex-1PE
Transmission distance | Up to 1km (from control panel)
Display               | Back-Lit LCD
Alarm                 | Buzzer (option: synthetic sound)
External dimension     | (W) 300 x (H) 380 x (D) 70mm
Weight                | Approx. 6kg (including battery)

SYSTEM DEVICES

<table>
<thead>
<tr>
<th>Module</th>
<th>Product name</th>
<th>Product code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Modules</td>
<td>Fire monitor</td>
<td>CHT-K4</td>
</tr>
<tr>
<td></td>
<td>4 lines</td>
<td>CHT-K4</td>
</tr>
<tr>
<td></td>
<td>1 line</td>
<td>CHT-K4</td>
</tr>
<tr>
<td>Gas leakage</td>
<td>4 lines</td>
<td>CHT-G4</td>
</tr>
<tr>
<td>Standard contact monitor</td>
<td>4 lines</td>
<td>CHT-S4</td>
</tr>
<tr>
<td>Smoke control</td>
<td>4 lines</td>
<td>CHT-R4</td>
</tr>
<tr>
<td></td>
<td>(without reset)</td>
<td>CHT-D2</td>
</tr>
<tr>
<td></td>
<td>2 lines</td>
<td>CHT-D2</td>
</tr>
<tr>
<td>Bell (with auto-test function)</td>
<td>1 line</td>
<td>CHT-BY</td>
</tr>
<tr>
<td>Addressable manual call point</td>
<td>PRF-1</td>
<td></td>
</tr>
<tr>
<td>Display Panel</td>
<td>R-type display panel</td>
<td>HEX-1PE</td>
</tr>
<tr>
<td>Annunciator</td>
<td>* main unit</td>
<td>HEX-TPD</td>
</tr>
</tbody>
</table>

* Power, input/output and display units are required separately.

Please refer to Hochiki main product catalogue for exact requirement.