

## Hot line proximity Detector [Wristband type]

# HXW-6W



Auxiliary voltage detection device that outputs buzzer sound and flashing at a distance when approaching live line.



### ■ Features

- When detect a live line, the buzzer and flashing outputs are activated.
- It is ideal for preventing human errors, as there is no power switch and it is always on stand-by.



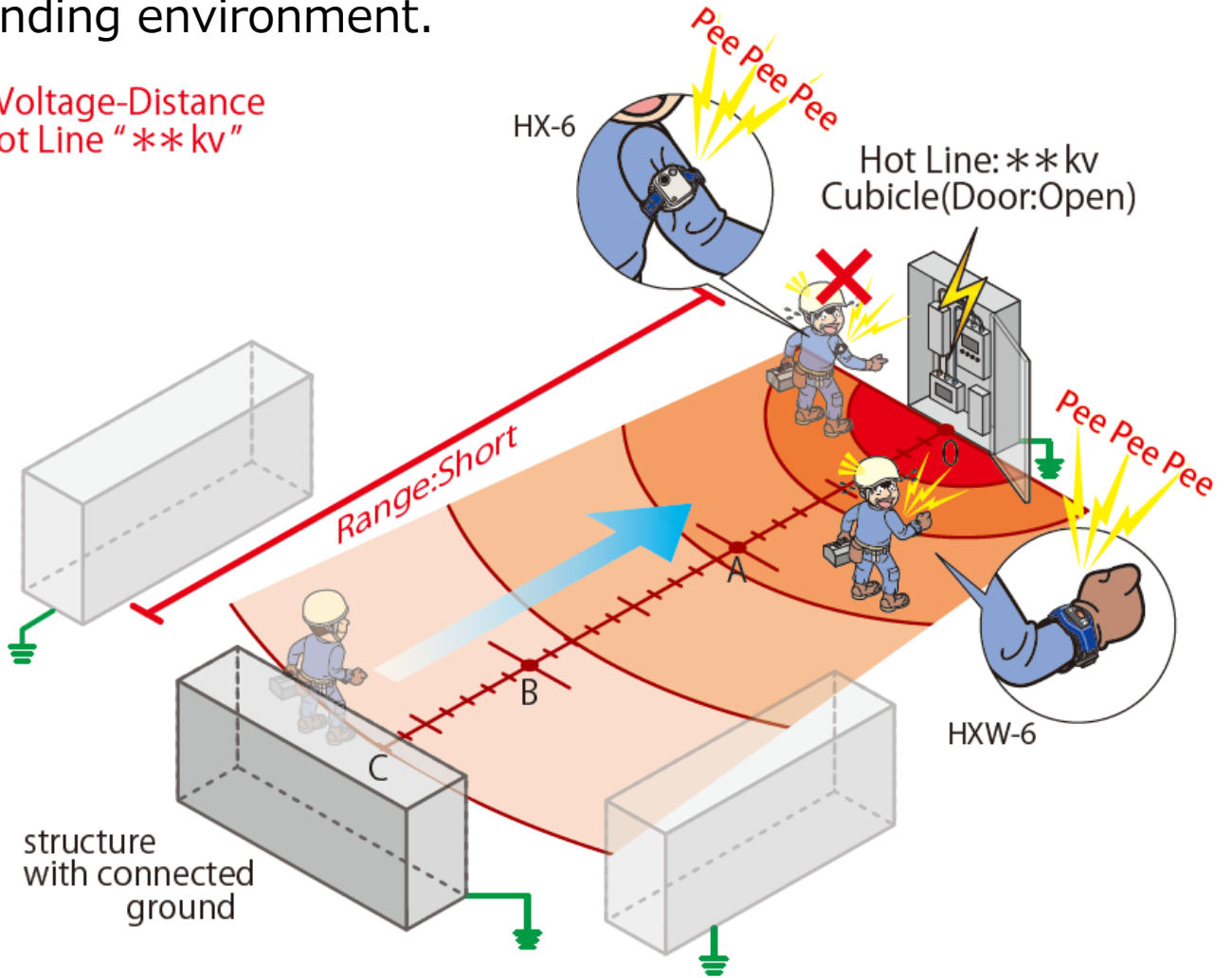
### ■ Specifications

Working voltage range	1kV to 42kV
Standard distance for operation start	60cm against 6.6kV (3.8kV to ground ) * under Hasegawa's standard conditions.
Frequency	Both 50Hz and 60Hz
Sound volume	65dB or more ( 60cm apart )
Battery	Coin type Lithium battery (CR1620) 1 piece
Operating temperature range	-10℃~+40℃
Dimensions	(W) 77mm×(D) 40mm×(T) 14mm
Weight	About 35g

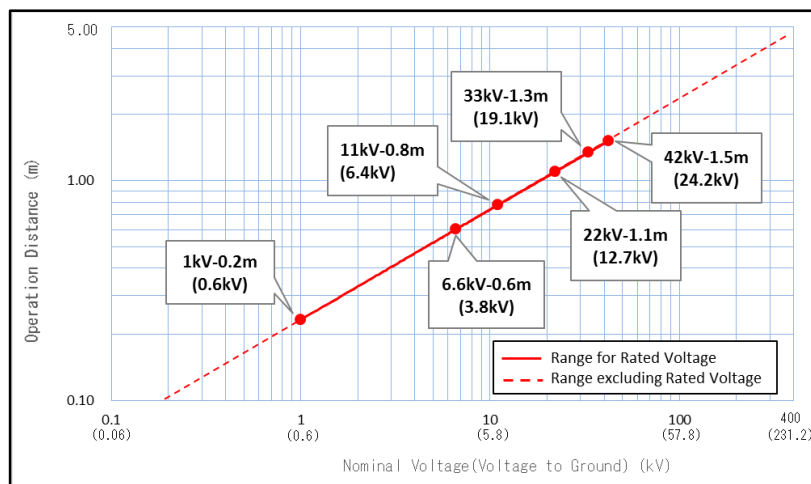
# ■ About Field Intensity (Changing of Operation Distance vs. Voltage)

Operation distance is varied depending on the actual surrounding environment.

Operation Voltage-Distance against Hot Line " \*\* kv "



Operation Voltage-Distance Table and graph are theoretical value. Please confirm operation distance in actual use environment before using.

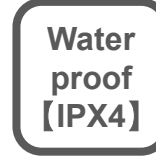


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<http://www.hasegawa-elec.co.jp>

## Hot line proximity alarm [Upper arm fitting type]

# HXA-6 type

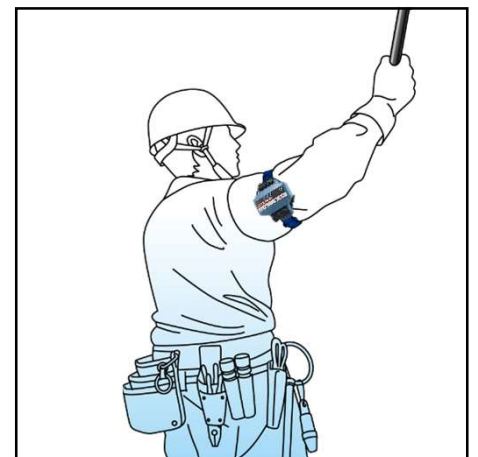


Auxiliary voltage detection device that gives alarm sounding at a distance when approach to a live line.



### ■ Features

- Alarm sound of electronic buzzer and flashing when approaching to live line is detected.
- It is ideal for preventing human errors, as there is no power switch and it is always on stand-by.
- Flexible size adjustment is possible with Velcro.

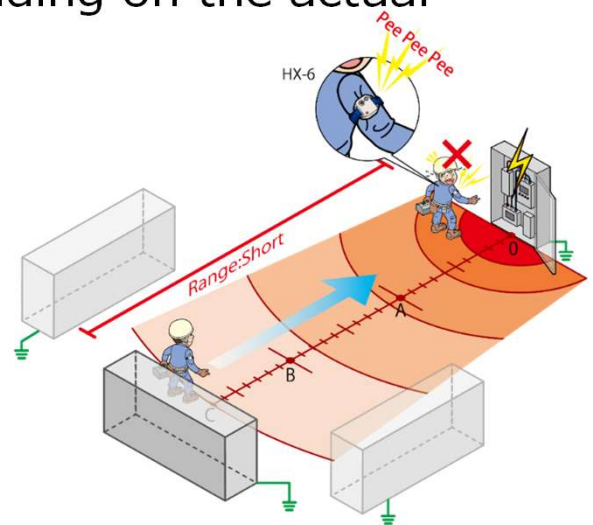
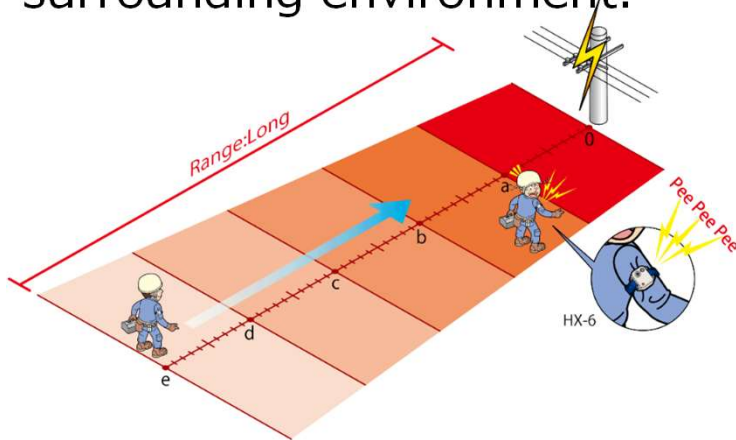


## ■ Specifications

Location of use		Exclusive for work with overhead lines
Alarm starting distance [Under standard condition]		80cm against 6.6kV
Frequency		Both 50Hz and 60Hz
Sound volume		65dB or more [1m apart]
Battery		CR2032 [3V] ×1pce
Battery life [with new battery]	Continuously operating state	About 15hr.
	Unused state	About 2years
Operating temperature range		-5°C~+40°C

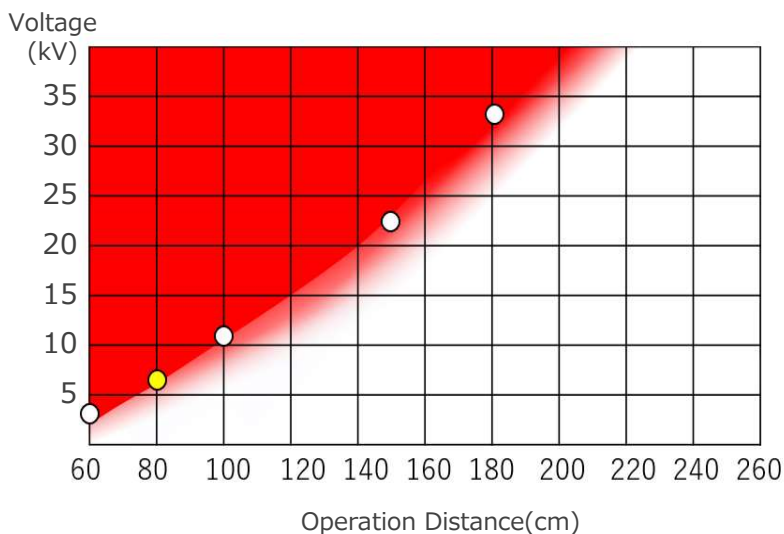
## ■ About Field Intensity (Changing of Operation Voltage Distance)

Operation distance is varied depending on the actual surrounding environment.



## ■ Operation Voltage-distance table and graph [HXA-6]

Operation Voltage-Distance Table and graph are theoretical value. Please confirm operation distance in actual use environment before using.



Voltage[kV]	Operation Starting Distance
3.3	60
6.6	80
11	100
22	150
33	180

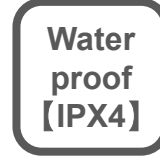
- : Operation Area
- : Non-Operation Area

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## Hot line proximity alarm [Helmet fitting type]

# HXA-6S type



Auxiliary voltage detection device that gives alarm sounding at a distance when approach to a live line.

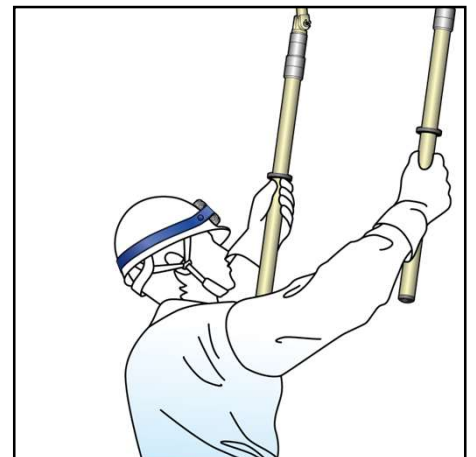


LED lamp  
[When flashing]

Clip at back side

### ■ Features

- Alarm sound of electronic buzzer and flashing when approaching to live line is detected.
- It is ideal for preventing human errors, as there is no power switch and it is always on stand-by.
- A telescopic band realizes high wearability.



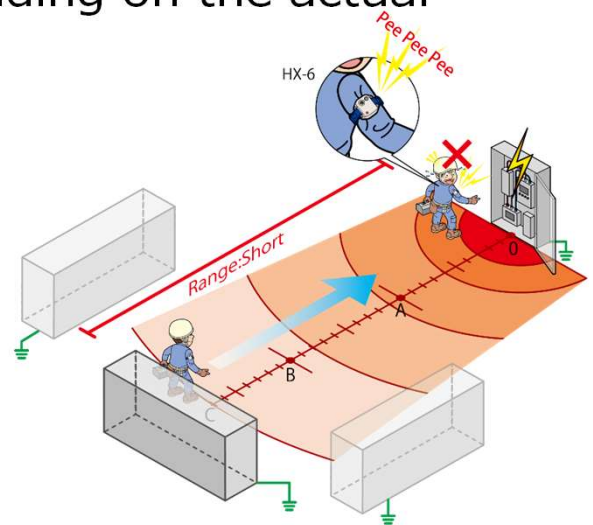
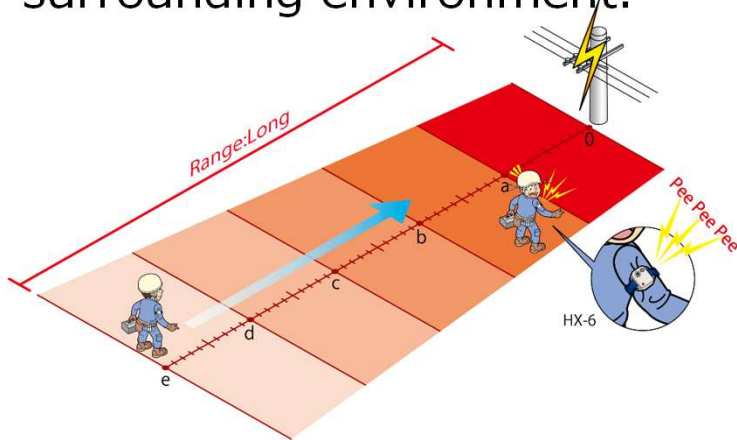
## ■ Specifications

Location of use		Exclusive for work with overhead lines
Alarm starting distance [Under standard condition]		110cm against 6.6kV
Frequency		Both 50Hz and 60Hz
Sound volume		65dB or more [1m apart]
Battery		CR2032 [3V] ×1pce
Battery life [with new battery]	Continuously operating state	About 15hr.
	Unused state	About 2years
Operating temperature range		-5°C~+40°C

## ■ About Field Intensity

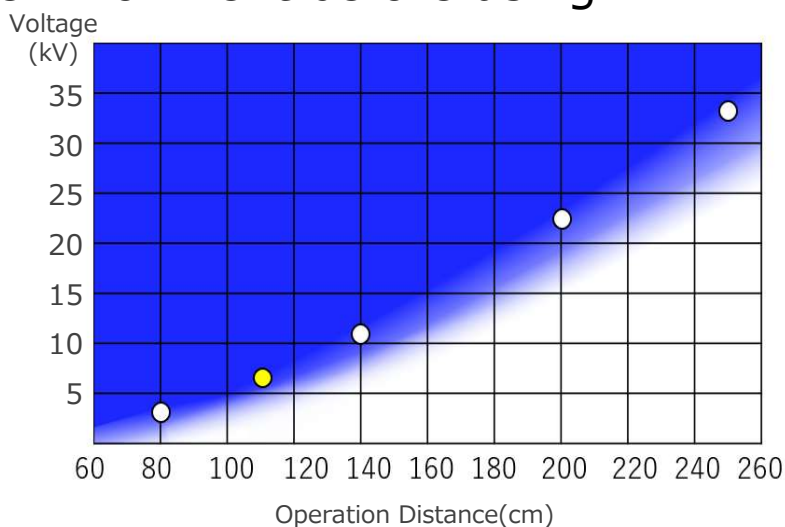
### (Changing of Operation Voltage Distance)

Operation distance is varied depending on the actual surrounding environment.



## ■ Operation Voltage-distance table and graph [HXA-6]

Operation Voltage-Distance Table and graph are theoretical value. Please confirm operation distance in actual use environment before using.



Voltage[kV]	Operation Starting Distance
3.3	80
6.6	110
11	140
22	200
33	250

- : Operation Area
- : Non-Operation Area

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## High voltage hot-line proximity alarm

# HXR-20J/25J type

\* Jointly developed with JR EAST

● HXR-20J : 20kV

● HXR-25J : 25kV

## Non-contact Detection of Charging State of AC Overhead Contact lines

Award-winning in Japan

Fiscal 2013 Railway Electrical Technology Award

JECA FAIR 2013 Product Contest Award



HXR-20J[20kV]

HXR-25J[25kV]

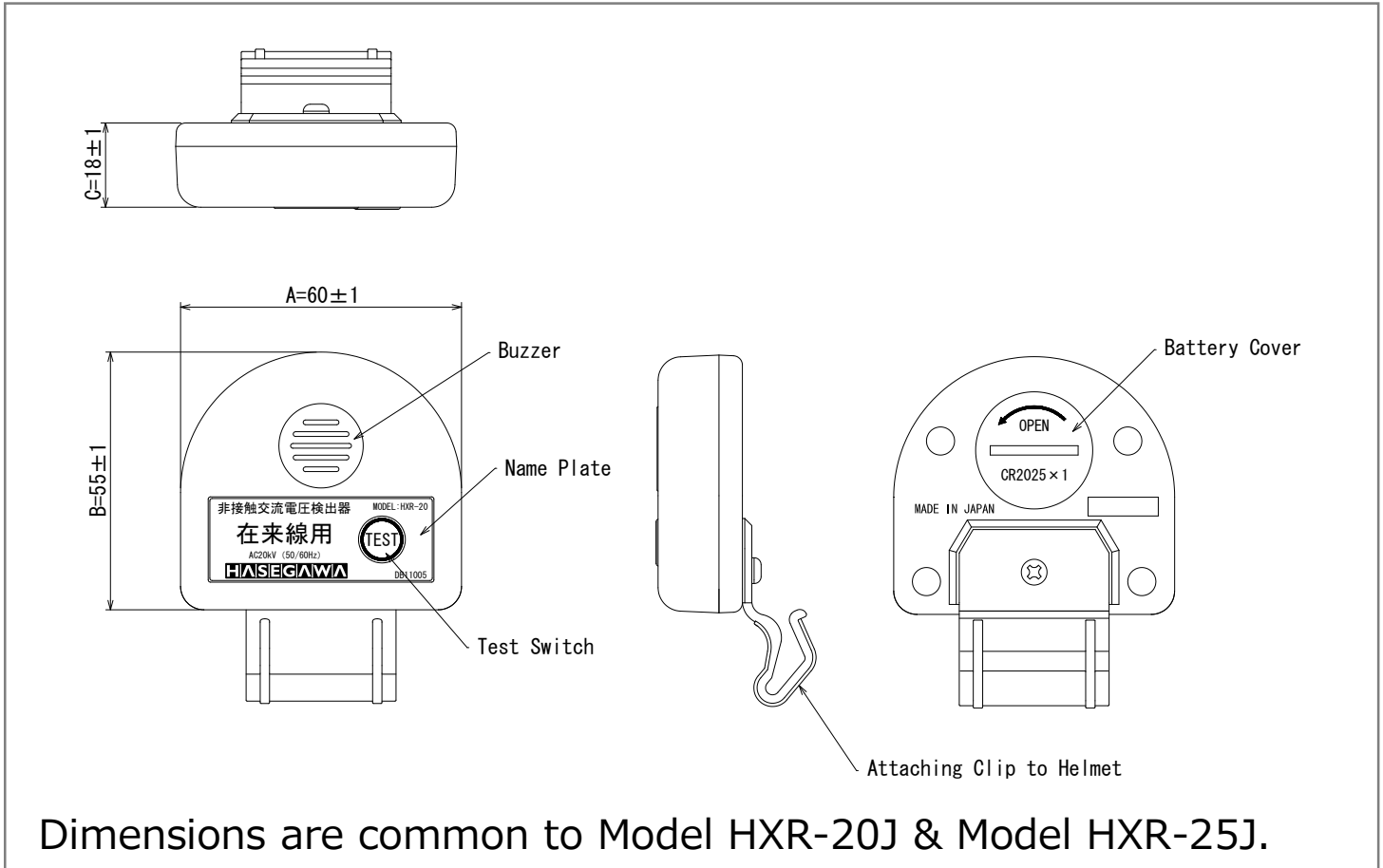
### ■ Features

- Alarm is generated at a distance of about 2m from the energized overhead contact lines, normal railways[AC20kV] and High Speed Railway[AC25kV].
- It has directionality to identify overhead contact lines in a charged state.
- It is compact, lightweight, and can be fitted to a helmet with a one-touch operation.

## ■ Specifications

Model	HXR-20J	HXR-25J
Applicable Voltage	AC20kV	AC25kV
Operating sensitivity [Electric field intensity]	Existing railways [2,500V/m]	Bullet train [3,000V/m]
Standard operation starting distance	About 2m	
Alarm operation	Piezoelectric buzzer type	
Sound volume	80dB±5dB / 10cm	
Frequency	Common use for 50/60Hz *	
Structure	Waterproof structure [Equivalent to IPX4]	
Operating temperature range	-10°C~+40°C	
Battery	CR2025[3V] ×1pce	
Battery life	About 2years in unused state	
Weight	About 40g	

## ■ Dimensions



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