

Cycle Determining HB-type level crossing obstacle detection devices

Detects obstructions, such as cars, left behind within a level crossing, using optical beams

HBS-LE1



HBS-LE2

Features

It is undisturbed by headlights of cars and trains.

The light emitting device emits light in a specific cycle, and the light receiving device will eject signals of the same synchronization with signals emitted, therefore it will not be affected by headlights of cars and trains.

It is possible to use existing outer cables and equipment boxes

By only replacing the existing main body of HB-type light emitting devices and light receiving devices with the ones adaptable to this system, the use of the existing outer cables and controllers (equipment boxes) is possible.

There is no mutual interface with adjacent level crossings

Due to the verification of the cycle by light receiving signals, sorting of light emitting devices is possible. Also, by using three different kinds of light emitting devices and light receiving devices of various luminescent cycles, prevention of mutual interference with adjacent level crossings is possible.

Specification

Items	HBS-LE1	HBS-LE2
Power-supply voltage (V)	AC 100~110、DC 24±1	
Control length (m)	10~40 for one set of light emitting device and light receiving device	
Light receiving margin	40 and over	
Light emission control	It emits light when trains are approaching	
Cycle setting (ms)	A type 2.4, B type 2.8, C type 3.2	
Ambient temperature (°C)	-10~+60	
System	Optical beam interruption system	
Remarks	Single system	Dual system