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To CEO of Intelar LLC
Victor Verbovsky

Equipment operation feedback

17 units of Presence Sensors for automatic control of warehouse lighting K2150, produced by Intelar LLC, were implemented into dairy products cooling warehouse of PepsiCo Wimm-Bill-Dann Lianozovo in Moscow in November 2018.

Sensors were used under such conditions:

- Ambient temperature of +4°C;
- Sensor's installation height of 15 meters;
- Each sensor controls an inter-rack aisle 65 meters long.

In the time period of two and a half years of K2150 sensor exploitation, not a single failure occurred.

Despite the impressive installation height of 15 meters, sensor reliably detects any human or vehicle presence in its area.

Exploitation of K2150 sensor is convenient and easy as it does not require any additional service.


Economic achievements of automatic lighting system of warehouse (17 aisles, S=5600 sq m):

- Energy consumption of lighting system was reduced by 2.8 times;
- Electrical energy savings in year for the entire warehouse is 185 000 kW*h, for each installed sensor it is 10 800 kW*h;
- Payback period considering the payment of 0.03 Eu/kW*h (0.04 USD/kW*h) is 18 months.

Head of power department PepsiCo Wimm-Bill-Dann Lianozovo

Anton Vydrin

Date:


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