



Zoneworks XT BMS Integration Options

The Zoneworks XT System has the ability to integrate with 3rd party Building Management Systems at two different levels.

Low Level Interface

Zoneworks XT Controller Digital Output Module

Each ZXTELC has 2 digital outputs that can represent the status of pre-defined system elements. The ZXTELC is connected via the Ethernet backbone and generally located at the local electrical distribution boards.

The ZXTELC provides system summary level information using 2 of the 2 available outputs as follows;

- a) Threshold of Faulty Units Reached Alarm (actual number or %). For example a threshold of 5% can be set so that if the total quantity of faults rises above 5% the digit output is closed.
- b) Emergency Light Controller Status Alarm. If any of the emergency light controllers on site goes offline the digital output is closed.

We can program each of the outputs to represent their state in either the high or low condition.

High Level Interface

Direct Structured Query Language (SQL) database access

The HLI option involves the connection to and the use of information kept in the Zoneworks SQL Express Database.

This integration method provides granular emergency luminaire device details including:

- a) Fitting Type
- b) Location
- c) Next scheduled test
- d) Last discharge and diagnostic test results
- e) Current fitting status

The information in the Zoneworks SQL Express Database is a live representation of all devices on the Zoneworks network and provides Building Management System (BMS) packages with the information necessary to display and represent Zoneworks emergency luminaires in real time with live status.

The Zoneworks server and the BMS server will require ability to communicate via the site network to establish this direct SQL database access to the emergency light fitting database.

Clevertronics recommend that the requirement of a Building Management System interface is addressed early in the project cycle to provide sufficient time for co-ordination of all associated stakeholders.