



**Sense**



**Switch**

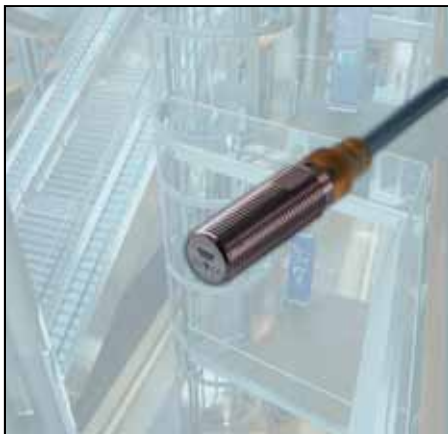


**Control**



**Fieldbus**

## Application notes



**Application Note : December 2014**

**Market involved : Lifts and Escalators**

**Product : ICB12, ICB18 series**

**Customer : -**

**Subject : Enhanced control in lifts and escalators applications**

### CUSTOMER ISSUE :

It is required to correctly detect the rotational speed of the lift motor.

These motors operate at a very high rpm speed and need a very low deviation in the operating distance.

### OUR SOLUTION :

The ICB12 and ICB18 sensors have high operating frequencies up to 2 kHz (ICB12) or up to 1.5 kHz (ICB18).

All sensors are individually compensated and ensure repeatable and high accurate operation.

The built-in microprocessor offers tailored solutions, such as the customized sensing distance and switching frequency.

### BENEFITS :

- Reliable and stable calibration which ensure the same operating distance to all sensors.
- High operating frequencies allowing high speed measurement.