

Press Release 4/2005

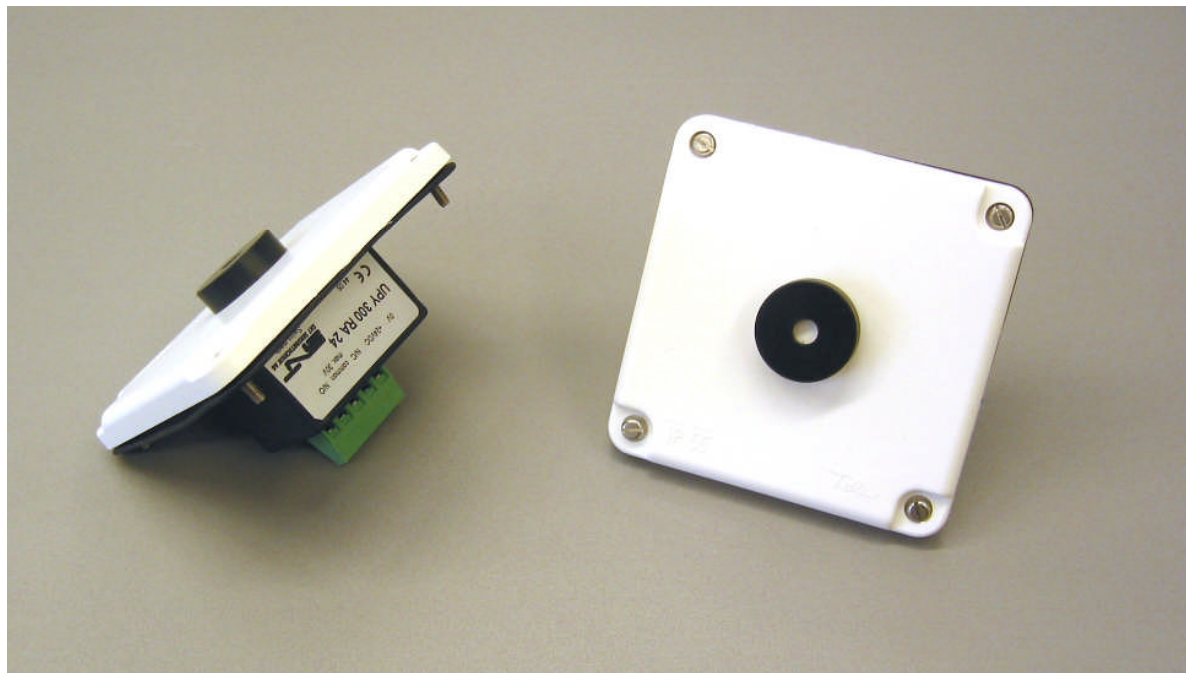
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Non-contact ultrasonic switch for door automation

The UPY series ultrasonic switch is used instead of a conventional electric wall mounted switch when a non contact operation is necessary (e.g. sliding doors, lights etc.). This complies with certain hygienic demands (food processing industry, hospitals, clean rooms).

The advantage of ultrasonic sensors compared to optical switches is that they are least susceptible to dirt and they are fully water resistant. The sensor diaphragm is protected against mechanical wear by an orifice. The sensor reacts only to presence and not to movements. As soon as an object (e.g. a hand) is within the 30cm detection zone, the built-in relay switches. Since the sensor does sense the time of flight and not an intensity (as usual with optical sensors), it has a 100% background suppression. Loads of up to 30VAC/DC and 6A can be switched with the mono stable relay. The UPY switch is built-in in the works into a cover for either wall or surface mount.

SNT Sensortechnik AG is a specialist in ultrasonic and optical sensors for more than 20 years.



UPY ultrasonic switch