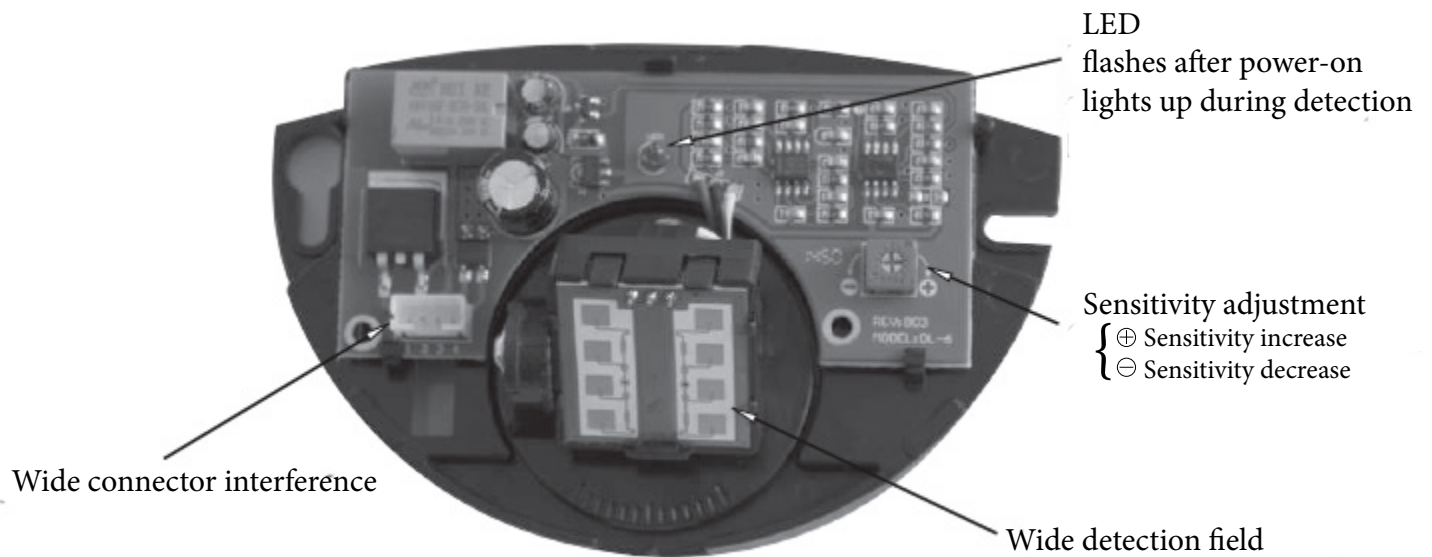


425 INDUCTION SENSOR

OVERVIEW

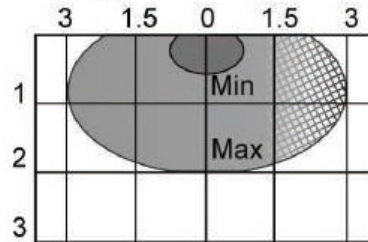
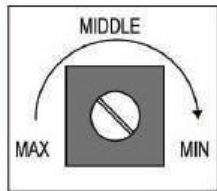
Deltrex 425 is a induction sensor module. 425 induction sensor uses intelligent optimization of the detection control circuit and is not affected by temperature, height, humidity, and other environmental factors. The sensor has anti-interference reliable working performance and stable operation.



Brown Green	Power input
White	Relay COM
Yellow	Relay NO

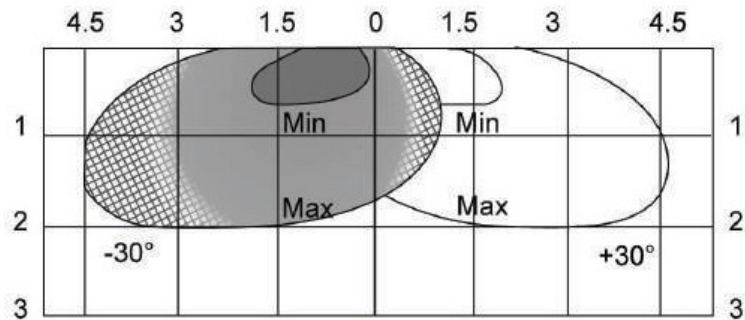
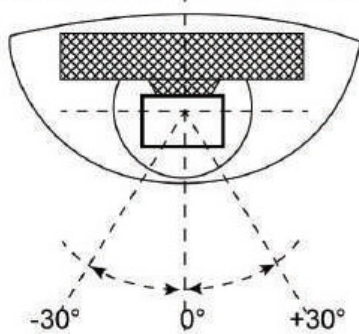
ADJUSTMENT OF INDUCTIVE FIELD

The relationship between sensitivity and induction range

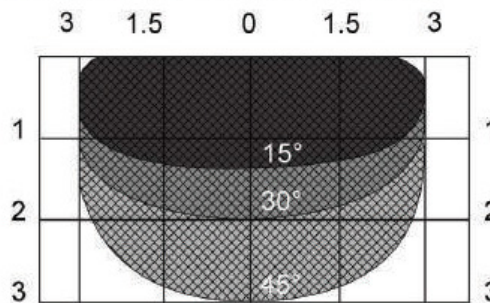
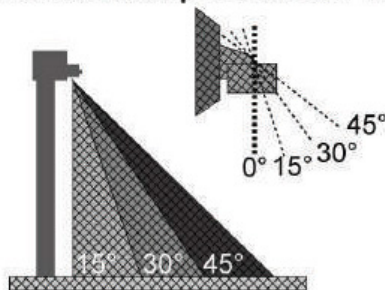


vertical angle: 30°, mounting height: 2.2m

The relationship between left/right angle and induction range



The relationship between vertical angle and induction range



sensitivity: maximum

INSTALLATION TIPS

1. Do not install on a vibratory plate.
2. Don't cover the sensor's inductive detector.
3. Avoid moving objects in the inductive field.
4. Avoid HF lamps or fluorescent light in the inductive field.
5. Avoid to touch the inside electronic parts.

TROUBLESHOOTING

Symptoms	Probable Causes	Corrective Action
The door will not open and LED is off	The sensor power is off	Check the wiring and the power supply
The door opens and closes constantly	1. The sensor "sees" the door moving	Increase the induction angle and/or reduce the sensitivity
	2. During operation the door creates vibrations which felt by the sensor	Make sure that the sensor is correctly fixed and reduce the sensitivity
The door will not close and LED is off	Functional switch for door control is at wrong position or faulty	Make sure that the functional switch for the door is at the ON or AUTOMATIC position

TECHNICAL SPECIFICATIONS

Technology:	Induction
Transmitter frequency:	24.125 GHz
Transmitter radiated power:	< 20 dBm EIRP
Transmitter power density:	< 5 mW/cm
Maximum mounting height:	3m
Tilt angle:	0° to 90° vertical and -30° and +30° lateral
Detection field (mounting height=3)	6m(W) x 2m(D)
Detection mode:	Motion
Minimum speed:	5 cm/s (measured in the sensor axis)
Supply voltage:	12V to 24V AC/DC +30%/-10%
Mains frequency:	50 to 60 Hz
Power consumption:	< 2W (VA)
Output relay (free of potential change - over contact)	
Max. contact voltage:	42 V AC - 60V DC
Max. contact current:	1A (resistive)
Max. switching power:	30W (DC) / 60VA (AC)
Hold time:	0.5s
Temperature range:	-20° C to +55° C
Degree of protection:	IP52
Material:	ABS
Color of housing:	Black smoked, Aluminum finish
Dimensions:	120mm(W) x 80mm(H) x 50mm (L)
Weight:	0.210 kg
Length of cable:	2.5m