

# ProAccess

Part No. 398522

DATASHEET

Sensor for vehicle detection (at barriers and gates)

## Presence detector based on a combination of microwave and ultrasonic sensors

### Electrical data

Sensor frequencies	Microwave: 24 GHz Ultrasonic: 56 kHz
Supply voltage	12 – 24 V DC +/-15%
Response time	500 ms
Power consumption	Heater disabled: up to 80 mA (at 24 V) Heater enabled: max. 200 mA (at 12 V)
Output	Relay output 30 V DC, 0.3 A (N.O. / N.C. switchable)
Input	Active low / high, selectable
Sensing distance	Microwave sensor: 0.8 to 5.5 m, max. range adjustable Ultrasonic sensor: 0.1 to 1.5 m, max range adjustable
Detectable vehicle speed	2 – 20 km/h
People suppression function	Operating (except at the setting of sensitivity level 5)

### Device settings

Sensitivity	5 steps
People suppression adjustment	5 steps
Presence detection timer [min]	5 / 60 / 180 / Infinity
Sensitivity boost timer [sec]	Off / 5 / 10 / 20 / 40
Input	Wake L / Wake H / Inhibit L / Inhibit H
Output	NO, NC
Microwave maximum range [m]	2 / 2.5 / 3 / 3.5 / 4 / 4.5 / 5 / 5.5
Ultrasonic maximum range [m]	Off / 0.6 / 0.8 / 1 / 1.5

### Display

Sensor mode	Activation / Vehicle protection
Normal operation	Standby: Solid green Detected: Solid red Unsuitable environmental notification: 2x blinking green
Detection area check	Outside detection area: Blinking green Within microwave detection area: Blinking yellow Within ultrasonic detection area: Blinking purple Within microwave and ultrasonic detection area: Blinking red
Calibration	Preparation: Slowly blinking blue Calibrating: Fast blinking blue Ultrasonic sensor detection error: Alternate blinking red-blue
Sensor reset	Reset completed: Solid yellow for 2 seconds

### Mechanical data

Dimensions [mm]	175 x 80 x 72.5
Installation height [mm]	500 (distance from the ground to the bottom of the unit)
Sensor angle adjustment	Left and right: +/-30 degrees (5-degree steps)
Weight [g]	420

### Environment conditions

Protection class	IP65
Operating temperature	-30°C to +50°C
Rel. air humidity	95% max. (no condensation)



### Box content

ProAccess, operating instruction (EN), DoC, short guide (EN), 4 retaining screws  
 Package: 250 x 100 x 110 mm

Dimensions [mm]

