IPF ELECTRONIC

RT98C951

RADAR SENSORS • RADAR SENSORS

Radar sensors are used primarily as signal transducers for controlling automatic doors and gates. They detect the movement of persons and/or industrial trucks and, at the same time, are insensitive to soiling. Objects can be detected depending on their movement direction in order to optimize the opening cycles of the gates. In doing so, it is possible to mask out people so that the sensor responds only when vehicles approach. Furthermore, it is possible to eliminate interference caused by moving objects within the detection range of the sensor. Systems that are also equipped with presence detection monitor the area in front of a gate in order to prevent the gate leaf from coming into contact with vehicles or objects.

MECHANICAL DATA

Ambient temperature	-20 °C ... 55 °C
Cable length	2 m
Housing material	Polycarbonate
Inclination angle (MAX)	90 °
Installation height	3000 mm
Installation height	1800 mm
Mounting height	2.2 m
Number of wires	4
Optimum mounting height	2.2 m
Sensor height	85 mm
Sensor length	45 mm
Sensor width	85 mm
Suitable for degree of protection (IP)	IP54
Version	Movement sensor
Wire cross section	1.31 mm²

ELECTRICAL DATA

Detection range length, radar	2 m
Detection range width, radar	4 m
For control of industrial doors and gates	Yes
Max. output current	100 mA
Min. speed	0.05 m/s
Number of switching outputs	1
Operating voltage	12 V ... 24 V
Power consumption	2 W
Setting procedure	Manual adjustment
Switching voltage	35 V
Transmitting frequency	24.18 GHz
Transmitting power, radar	5 mW/cm²
Turn-off delay	Yes
Type of electrical connection	Clamp

ipf electronic gmbh • Kalver Straße 25 - 27 • 58515 Lüdenscheid - Germany │ Tel +49 2351 9365-0 • Fax +49 2351 9365-19 │ info@ipf-electronic.com • **www.ipf-electronic.com**

1

IPF ELECTRONIC

DATA SHEET **RT98C951** • Subject to alteration! Version: 03.05.2019

ELECTRICAL DATA

Type of switching function	Normally open contact
Type of switching output	Relay contact
Voltage type	DC
With LED display	Yes

DIMENSIONAL DRAWING

INSTALLATION

Mounting / Installation may only be carried out by a qualified electrician!

DISPOSAL

SAFETY WARNINGS

Before initial operation, please make sure to follow all safety instructions that may be provided in the product information!

2

ipf electronic gmbh • Kalver Straße 25 - 27 • 58515 Lüdenscheid - Germany │ Tel +49 2351 9365-0 • Fax +49 2351 9365-19 │
info@ipf-electronic.com • **www.ipf-electronic.com**