

Hercules 2s

Microwave motion sensor for industrial doors & gates

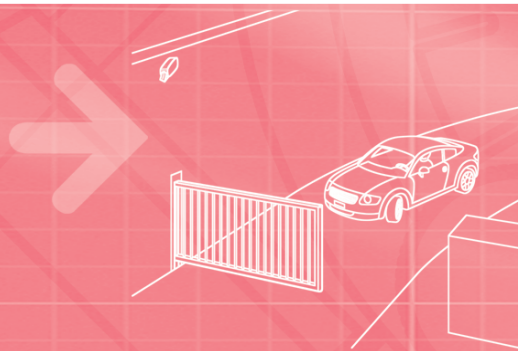
Simple, proven, versatile

- **User-friendly sensor: easy to install & operate**
- **Two completely independent programmable outputs**
- **Quick reaction time is ideal for high-speed doors**
- **Pulse on exit feature for additional applications**
- **Differentiates between people & vehicles**

Hercules 2s

Microwave Motion Sensor for Industrial Doors & Gates

Hercules 2s features two completely independent programmable outputs that give you complete flexibility for every application and the pulse on exit feature makes it even more versatile. Hercules 2s is extremely user-friendly and can be easily programmed with only a few keystrokes on the RC Duo 2 bi-directional remote control.



Key Features

- Two completely independent programmable outputs for endless application scenarios
- 23' (7 m) long cable for maximum installation flexibility
- 6-wire cable using traditional wire colors & thicker wire gauge for easier installation
- Pulse on exit feature closes the door at the right time, every time
- Differentiation between pedestrian and/or vehicle traffic
- Detects traffic moving toward and away from the door
- Cross-traffic optimization prevents unwanted opening
- Mounting height range of 6'6" to 23' (2 to 7 m) covered by one sensor (no need for multiple sensors at different heights)
- Operating temperature range of -22°F to $+140^{\circ}\text{F}$ (-30°C to $+60^{\circ}\text{C}$) is ideal for cold storage applications
- Quick & easy setup: bi-directional remote control & user-friendly function menus
- Ideal substitute for in-ground loops

Applications



Fire Stations: Pulse on exit signals the door to close precisely after vehicles leave. Protect vehicles & doors, save time & energy, and keep unattended fire stations secure.



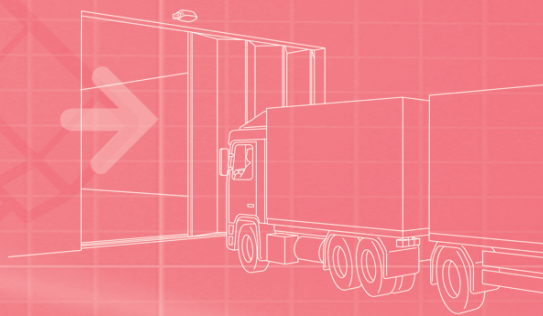
Car Dealerships: Automatic doors provide a friendly and welcoming environment to customers and allows for efficient flow of vehicles in high-traffic areas. People/vehicle separation increases safety & security.

RC Duo 2

Bi-directional Remote Control



- Bi-directional operation: illumination of specific buttons provides instant confirmation of programmed function and value
- Rugged design with large, highly visible buttons
- Conveniently program all functions from the ground
- Configure any Hercules 2s sensor with the same remote – also compatible with several other BBC Bircher Smart Access sensors
- Multiple address feature allows programming of a single sensor, even in close proximity to other sensors
- Automatic off feature extends battery life



Warehouses: Move goods efficiently and reduce accidents by implementing forklift traffic systems.



Loading Docks: Two separate outputs can activate doors as well as a lighting system to aid drivers approaching the dock.



Parking Garages: Optimize traffic flow. People/vehicle differentiation increases security and safety. Ideal ground loop alternative.



Car Wash Entrances: The weatherproof housing stands up to tough environments. Increase customer satisfaction through efficient traffic flow.






Cold Storage Facilities: Conserve energy in the facility. Operating temperature range allows for use in cold environments. Quick reaction time for use with high speed doors.




Gates: Ideal ground loop alternative that is easy to install and program. Tilt bracket and optional extension bracket allow precise positioning.


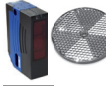



Order Details

Part no.	Description	
306839	Hercules 2s Microwave motion sensor for industrial doors	
357649	Hercules 2s Holder complete	
351652	RC Duo 2 Bi-directional remote control	

Optional Accessory

Part no.	Description	
991010	Extension Mounting Bracket For additional installation flexibility	

Supplementary Products

ClickLine/CoverLine Electrical sensing edges for safeguarding closing edges of industrial doors & gates	
LBGate Light barrier for industrial doors/gates & specialty applications	
PrimeScan A Infrared safety curtain for safety of door openings	
ProLoop2 Loop detector for monitoring industrial door & gate induction ground loop systems	
ESGate Safety controller for monitoring electrical safety edges on doors & gates	

Technical Data

Physical Data	
Mounting height	6'6" to 23' (2 to 7 m)
Connection type	23' (7 m) cable 6x AWG 24 (0.2 mm²)
Housing material	Black anodized aluminium with polycarbonate cover
Dimensions	5 1/4" x 3 1/4" x 3" (134 x 82 x 75 mm)
Weight	1.8 lb (820 g) including cable

Technical Data	
Technology	Doppler radar with planar module
Transmitting frequency	24.05 – 24.25 GHz
Transmitting power	< 20 dBm
Max. detection speed	16 mph (25 km/h) for vehicles

Electrical Data	
Operating voltage	12–26 V DC 12–28 V AC, 45–65 Hz
Operating current	Max. 75 mA
Outputs	Relay
Switching voltage	Max. 48 V AC/DC
Switching current	Max. 0.5 A AC/DC

Environmental Conditions	
Protection class	NEMA 4 (IP65, IEC 60529)
Temperature range	–22°F to +140°F (–30°C to +60°C)
Air humidity	0% to 95% relative, without condensation

Standards	
Approvals	FCC / IC / CE
Directives Observed	RoHS 2011/65/EU RED 2014/53/EU

Note
Technical details and recommendations on our products are based upon experience and represent guidelines for the user. Details in brochures and specification sheets do not guarantee any special product features, apart from those which we confirm in individual cases. We reserve the right to make changes as the result of technical developments.