

# DUALRED BUS

**Dual infrared detector  
for the protection of doors and windows**

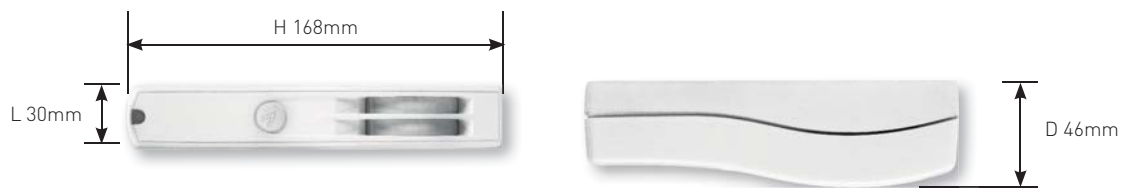


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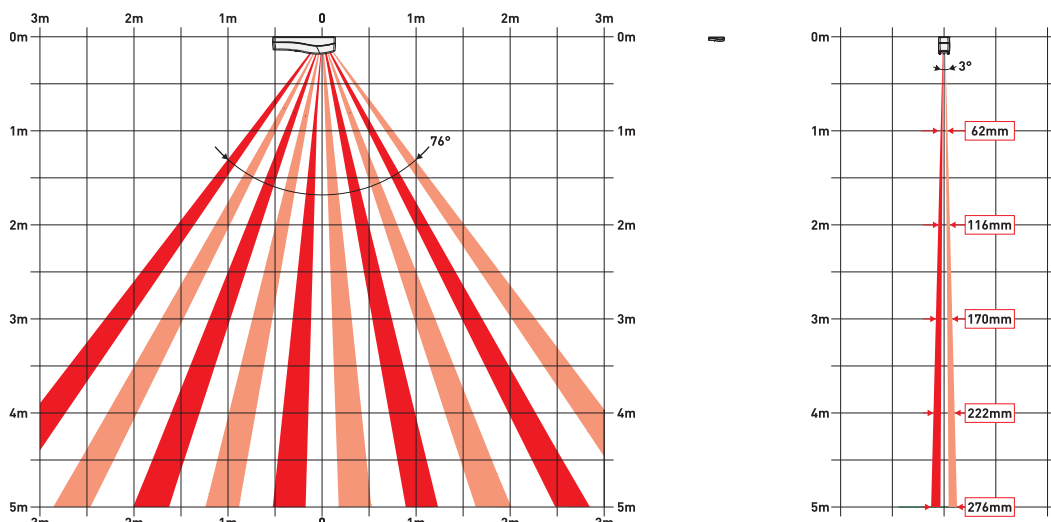
## Dual infrared detector for the protection of doors and windows

The detector DUALRED BUS offers a reliable protection of doors and windows. It is composed of two physical/logical units, a dual PIR sensor and an internal magnetic contact. Alternatively to the internal contact, an external magnetic contact, a rope contact or an inertial detector can be connected. The two physical/logical units can be programmed so as to function together, with the AND or the OR detection logic, or independently. In the independent mode, the two units are identified by the system as two independent zones. If the magnetic contact is opened during the arming phase, it is automatically excluded. In this case, if the combined functioning has been set with the AND detection logic, the detector automatically adopts the OR logic.

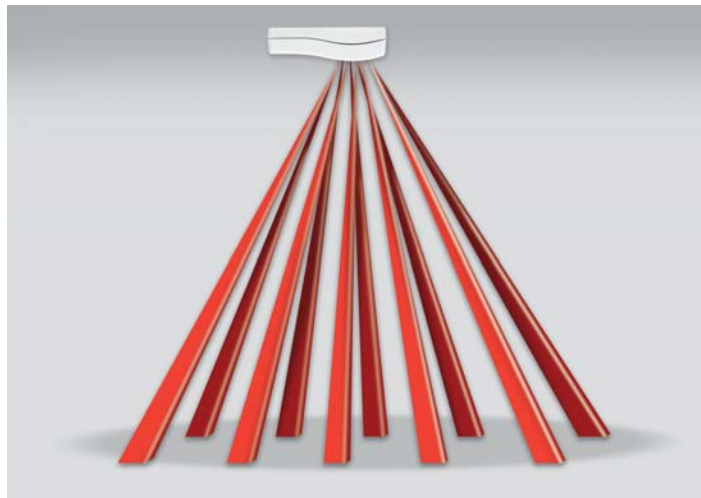
The detector DUALRED BUS can be used indoors or in sheltered outdoor areas, not directly exposed to the weather conditions. It is equipped with a programmable antimasking function and automatic diagnostic functions, such as self test and temperature compensation. Thanks to RSC® technology, all functioning parameters, such as sensitivity, range and pulse count are programmable locally and from a distance. In addition, it is possible to define the privileged sense of beam crossing.



### Coverage diagrams



The detector DUALRED BUS can be used indoors or in sheltered outdoor areas, not directly exposed to the weather conditions.



## DUALRED BUS



Compatible systems: TP8-28 - TP8-28 GSM - TP10-42 - TP8-88 - TP20-440

Item no. F102DUALREDBUS White color

Item no. F102DUALREDBUSM Brown color

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## DUALRED BUS - Technical and functional specifications

Physical/logical unit IR	IR elements	<b>2</b>
	Infrared beams	<b>10</b>
	Levels (infrared beams)	<b>2</b>
	Max. range	<b>15m</b>
	Sensitivity	<b>Programmable (2 settings)</b>
Physical/logical unit contact	Internal magnetic contact	<b>Reed ampulla</b>
	Input	<b>Magnetic contact - rope contact - inertial detector</b>
	Self exclusion	<b>Programmable</b>
Functioning mode	Combined	<b>Occupies 1 zone</b>
	Independent	<b>Occupies 2 zones</b>
Detection logic	AND	<b>IR + contact</b>
	OR	<b>IR or contact</b>
	Sense of beam crossing	<b>3 settings</b>
	Pulse count	<b>1 or 3 pulses</b>
Anti-tamper protection	Anti-opening and anti-detachment	<b>Micro-switch</b>
	Antimasking	<b>Programmable</b>

Signaling	Alarm	<b>Allarme rilevazione</b>
	Tamper	<b>Allarme manomissione</b>
	Antimasking	<b>Allarme mascheramento</b>
	Failure	<b>Segnalazione di guasto</b>
Active status	Always active or with armed program	<b>Programmabile</b>
Functions	Self test	<b>Automatico</b>
	Temperature compensation	<b>Automatica</b>
Electrical specifications	Rated voltage	<b>12V DC</b>
	Operating voltage	<b>10V DC...14,5V DC</b>
	Consumption in stand-by	<b>20mA @ 12V DC</b>
	Max. consumption	<b>25mA @ 12V DC</b>
Connection	RS485	<b>Sensore indirizzato</b>
Physical Specifications	Environmental class	<b>II</b>
	Protection class	<b>IP34-IPK02</b>
	Casing	<b>ASA</b>
	Operating temperature	<b>-20°C...+55°C</b>
	Dimensions (L x H x D)	<b>168 x 46 x 30mm</b>
	Weight	<b>80g</b>