

DUALRED BUS

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



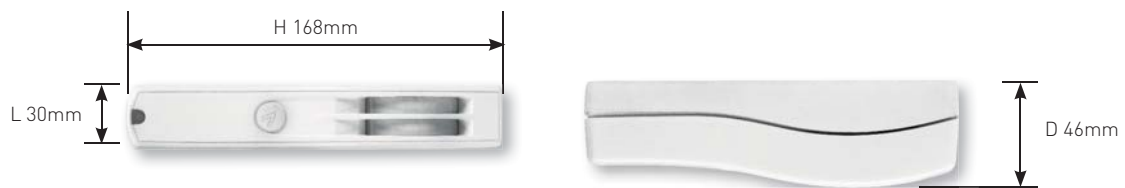
Tecn⁷alarm
Hi-Tech Security Systems

DUALRED BUS

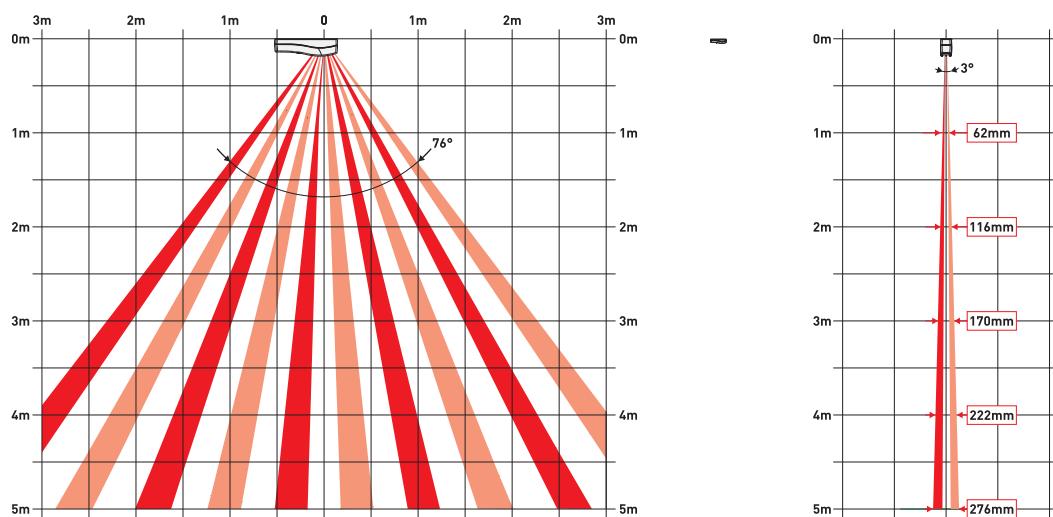
Dual infrared detector for the protection of doors and windows

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.

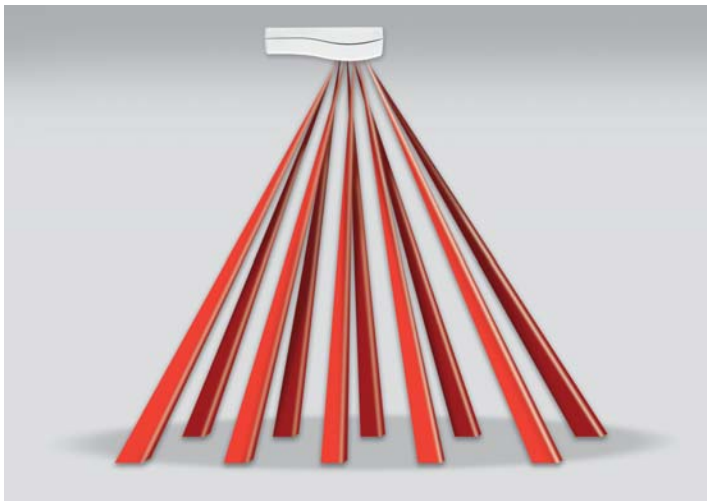
The detector DUALRED BUS can be used indoors or in sheltered outdoor areas, not directly exposed to the weather conditions. It is equipped with a programmable antimasking function and automatic diagnostic functions, such as self test and temperature compensation. Thanks to RSC® technology, all functioning 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



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DUALRED BUS

2
LOGICAL
UNITS

ANTI-MASK

AND
OR
LOGIC

SELF TEST

TEMPERATURE
COMPENSATION

RANGE
±5m

IP34

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

Item no. F102DUALREDBUS White color

Item no. F102DUALREDBUSM Brown color

DUALRED BUS

DUALRED BUS - Technical and functional specifications

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

Signaling	Alarm	Allarme rilevazione
	Tamper	Allarme manomissione
	Antimasking	Allarme mascheramento
	Failure	Segnalazione di guasto
Active status	Always active or with armed program	Programmabile
Functions	Self test	Automatico
	Temperature compensation	Automatica
Electrical specifications	Rated voltage	12V DC
	Operating voltage	10V DC...14,5V DC
	Consumption in stand-by	20mA @ 12V DC
	Max. consumption	25mA @ 12V DC
Connection	RS485	Sensore indirizzato
Physical Specifications	Environmental class	II
	Protection class	IP34-IK02
	Casing	ASA
	Operating temperature	-20°C...+55°C
	Dimensions (L x H x D)	168 x 46 x 30mm
	Weight	80g