

Safety accessories



SAFETY
PHOTOCELLS
AND DEVICES



CAME

The range

To complete power-operated systems, a complete range of safety accessories, always compliant with current European Regulations. The photocells, cordless and hard-wired, and the sensitive safety-edge to fit onto both gate and garage door, are set up so you may always have a perfectly certifiable, approved and safe system - a very important added value when it comes to modern day power door and gate operators.



PHOTOCELLS DELTA and DELTA S series

Delta is the infrared-beam photocell; Delta S is the synchronized infrared-beam photocell. Both have a 20 m range and come in both the surface or recess-mounted version, complete with casing. Also available is a complete series of aluminum posts for fitting either one-way or two-way.



Delta series SURFACE

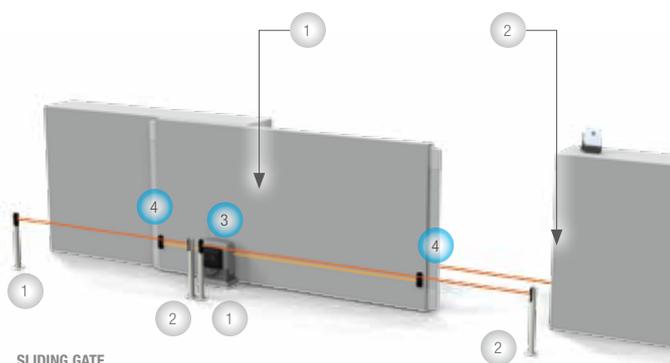


Delta series RECESSED

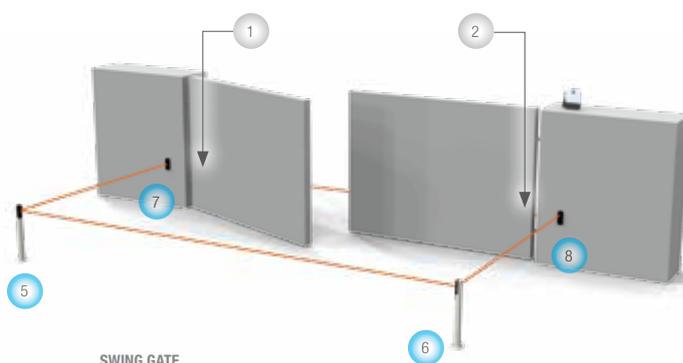
THE Db and Db+Df INTEGRATED PROTECTION-SYSTEM

With sliding-gate operators of the Bx-243, Bx and Bk series, the Db photocell can be fitted onto the Df sensitive safety-edge system fitted onto the sliding-leaf, and it needs no complex cabling jobs. This brings total safety as concerns the leaf movement. This is especially useful where frequent passages are the norm. Even with swing-gates or road barriers, the Db system provides perimeter coverage to make transiting traffic completely safe.

- | | |
|-----------------------|---------------------|
| 1 TX Photocell | 5 Db system (TX-RX) |
| 2 RX Photocell | 6 Db system (RX-TX) |
| 3 Db + Df system (RX) | 7 Db system (RX) |
| 4 Db + Df system (TX) | 8 Db system (TX) |



SLIDING GATE



SWING GATE



Dir photocell

Dir is the synchronized infrared-beam surface photocell with ranges of 10, 20 or 30 m. Among the dedicated accessories available we have the aluminum or PVC posts, even in double-height versions or with special shock-proof aluminum alloy casing.

DIR10 • DIR20 • DIR30



Db cordless photocell

Db is an infrared-beam safety device, that come with either one-way or two-way beam. This system is especially suited for easily setting up perimeter coverage to ensure total system safety. Db is battery powered with max range of 10 m.

DBC01 • DBC03 • DBC04 • DBC01 • DBC02 • DBC1



Df Sensitive Safety-Edges

Df is a Came patent, compliant with EN 12978 - EN 954-1 regulations. Suited for protecting both gates and garage doors. It comes ready-to-use in modules of various lengths, or kits to assemble. Maximum measurement is 6 m.

DF15 • DF17 • DF20 • DF25



Db



Db



Df

SYNCHRONIZING THE INFRARED BEAM

Came's new generation photocells like the Delta S and Dir series, are equipped with synchronized infrared beam technology, which mean you can fit multiple pairs of photocell to the same system, even at two different heights and/or next to each other, without them interfering with each other and without having to invert the transmitters' or receivers' positions. This feature is guaranteed by the direct cabling between transmitter and receiver, to synchronize the devices that are operating on the same coverage plane.



Read up at came.com on the entire range of Game products!

Came is a market leading company in the manufacturing of motor-powered operators for homes, industries and large special technological projects.

A full range of household solutions: from operators for gates and garage doors, to shutter and awning winding motors, and even home automation control, to burglar proof and video entry systems. Technology and reliability to serve your business, thanks to solutions designed for powering large industrial doors, automatic doors, street barriers, turnstiles, access controls and parking facilities.





TECHNICAL CHARACTERISTICS

Delta		
MODEL	DELTA-E • DELTA-I	DELTA-SE • DELTA-SI
IP protection rating	54	54
Power supply (V - 50/60 Hz)	12 - 24 AC - DC	12 - 24 AC - DC
Contact rated for 24 V (A)	0.5	0.5
Draw at 24 V AC (mA)	110	70
Operating temperature (°C / °F)	-20 ÷ +55 / -4 ÷ +131	-20 ÷ +55 / -4 ÷ +131
Material	ABS-POLYCARBONATE	ABS-POLYCARBONATE

● 12 - 24 V AC - DC

Dir		
MODEL	DIR10 • DIR20 • DIR30	
IP protection rating	54	
Power supply (V - 50/60 Hz)	12 - 24 AC - DC	
Contact rated for 24 V (A)	1	
Draw at 24 V AC (mA)	60	
Operating temperature (°C / °F)	-20 ÷ +55 / -4 ÷ +131	
Material	ABS-POLYCARBONATE	

● 12 - 24 V AC - DC

Db		
MODEL	DBC01 • DBC03 • DBC04	DBS01 • DBS02 • DBCT
IP protection rating	54	54
Power supply (V - 50/60 Hz)	12 - 24 AC - DC (only RX of 001DBC01)	12 - 24 AC - DC (only RX of 001DBS01 and 001DBS02)
Batteries (V)	4 x 1.5 AAA min. 1.000 mAh	4 x 1.5 AAA min. 1.000 mAh
Relay rated for 24 V (mA)	500	1
Power draw	DBC01 (TX 70 µA - RX 48 mA) DBC03 (70 µA) - DBC04 (70 µA)	RX of 001DBS01 and 001DBS02 48 mA - TX 70 µA
Operating temperature (°C / °F)	-20 ÷ +55 / -4 ÷ +131	-20 ÷ +55 / -4 ÷ +131
Material	ABS-POLYCARBONATE	ABS-POLYCARBONATE

● 12 - 24 V AC - DC

Df		
MODEL	DF15 • DF17 • DF20 • DF25 • TMF • TMF6	
IP protection rating	54	
Contact rated for (A)	3 / 24 V (resistive)	
Maximum speed measured at tip of leaf (m/min)	12	
Operating temperature (°C / °F)	-20 ÷ +55 / -4 ÷ +131	
Material	TPE 65 SHORT A	

SOME VERSIONS MAY NOT BE AVAILABLE IN YOUR COUNTRY. FOR MORE INFORMATION PLEASE CHECK WITH YOUR LOCAL AUTHORIZED DEALER.



GARANZIA QUALITÀ ORIGINALE

Came products are entirely designed and made in ITALY



Came S.p.A. is Quality and Environmentally certified by
UNI EN ISO 9001
UNI EN ISO 14001



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