MULTI-FUNCTION SENSORS





- Sensitivity adjustment and Stability LED
- Free voltage power supply and relay output
- 10-30 Vdc power supply with NPN and PNP outputs
- Versions with 5 timing functions

S2 SERIES

The photoelectric sensors of the **S2** series are enclosed in sturdy plastic housings, developed to guarantee the complete protection of the control panel and connection terminals.

The free voltage versions present a relay output, while the 10-30 Vdc versions have a double NPN and PNP output, both available with 1 or 2 m proximity, 5 m polarised retroreflex, 3 m polarised retroreflex and 10 or 50 m through beam optic functions.

The red output LED and the green stability LED are visible through the IP66 hermetically-sealed cover, that also protects the terminal block and commands, such as the sensitivity adjustment trimmer and dark/light operating mode selector. The versions with output timing present a trimmer to regulate the time up to 16 s.

and a selector to set 5 different functions.



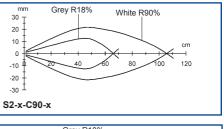


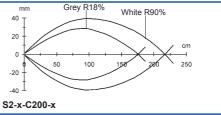
DATASENSOR

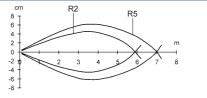
TECHNICAL DATA

Power supply:	10 30 V/dc, reverse polarity protection
	15 264 Vac/Vdc
Consumption:	
consumption.	
	3 VA max. (a.c. vers.)
Light emission:	
	red LED 660 nm (B vers.)
Diffuse proximity operating distance:	
	1 200 cm (C200 vers.)
Retroreflex operating distance:	
Polarised retroreflex operating distance:	0.15 3 m (on R2)
Through beam operating distance:	0 10 m (G10/F10 vers.)
	0 50 m (G50/F50 vers.)
Setting:	sensitivity trimmer
Indicators:	red OUTPUT LED
	green STABILITY LED
Output type:	NPN and PNP, open collector (d.c. vers.)
	or relay 1 NO contact (a.c. vers.)
Saturation voltage:	1 V max. (NPN vers.)
	2 V max. (PNP vers.)
Output current:	100 mA max., short-circuit protection
	relay 1 A (250 Vac), resistive load
Response time:	1 ms max. (d.c. vers.)
	20 ms max. (a.c. vers.)
Switching frequency:	500 Hz max. (d.c. vers.)
	25 Hz max. (a.c. vers.)
Timing function:	normal, ON-delay, OFF-delay, ON/OFF-
	delay, one-shot all adjustable from 0.6
	to 16 sec.
Operating mode:	dark/light selectable
Connection:	terminal block with 4 screw terminals
	gland for cables with 8 to 10 mm diameter
Electrical protection:	class 1 (a.c. vers.)
	class 2 (d.c. vers.)
Mechanical protection:	IP66
Housing material:	PBT plastic
Lens material:	PMMA plastic
Weight:	100 g max.
Operating temperature:	25 +55°C
Storage temperature:	25 +70°C
Reference standard:	EN 60947-5-2
Certifications:	CE

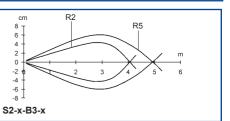
DETECTION DIAGRAMS

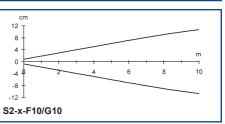


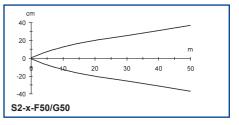




S2-x-A5-x







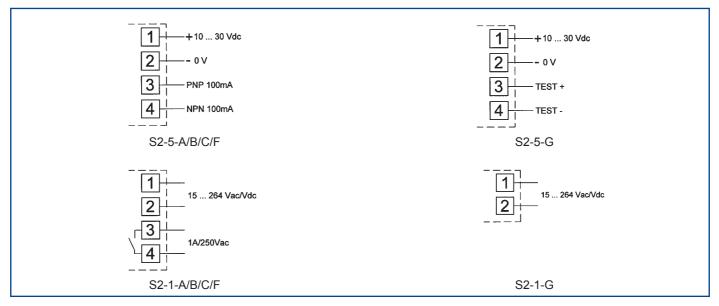
The operating distances indicate the detection distance with excess gain 2.



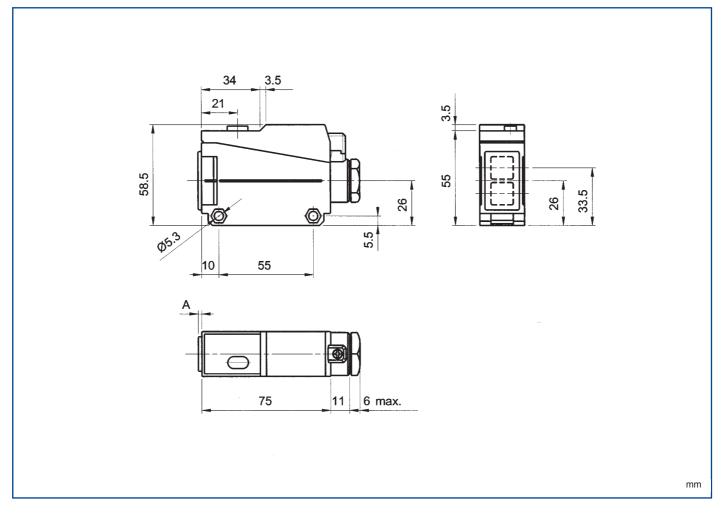
The detection diagrams indicate the typical operating distance with excess gain 1.



CONNECTIONS



DIMENSIONS



DATASENSOR
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MODELS

MODEL	FUNCTION	OUTPUT	CODE N°
S2-1-C90	proximity	relay	J950530390
S2-1-C90T	proximity	relay with timer	J950535390
S2-1-C200	proximity	relay	J950530393
S2-1-C200T	proximity	relay with timer	J950535393
S2-1-A5	retroreflex	relay	J950330390
S2-1-A5T	retroreflex	relay with timer	J950335390
S2-1-B3	polarised retroreflex	relay	J950320390
S2-1-B3T	polarised retroreflex	relay with timer	J950325390
S2-1-F10	receiver	relay	J950200390
S2-1-F10T	receiver	relay with timer	J950205390
S2-1-F50	receiver	relay	J950200394
S2-1-F50T	receiver	relay with timer	J950205394
S2-1-G10	emitter	-	J950139990
S2-1-G50	emitter	-	J950139995
VERSIONS WITH 10	30 Vdc POWER SUPPLY		
MODEL	FUNCTION	OUTPUT	CODE N°
S2-5-C90	proximity	NPN/PNP	J950530000
S2-5-C90T	proximity	NPN/PNP with timer	J950535000
S2-5-C200	proximity	NPN/PNP	J950530003
S2-5-C200T	proximity	NPN/PNP with timer	J950535003
S2-5-A5	retroreflex	NPN/PNP	J950330000
S2-5-A5T	retroreflex	NPN/PNP with timer	J950335000
S2-5-B3	polarised retroreflex	NPN/PNP	J950320000
S2-5-B3T	polarised retroreflex	NPN/PNP with timer	J950325000
S2-5-F10	receiver	NPN/PNP	J950200000
S2-5-F10T	receiver	NPN/PNP with timer	J950205000
S2-5-F50	receiver	NPN/PNP	J950200004
S2-5-F50T	receiver	NPN/PNP with timer	J950205004
S2-5-G10	emitter	-	J950139900

ACCESSORIES

MODEL	DESCRIPTION	CODE N°
ST-511	1 pc fixing bracket	95ACC1310
S2-SLIT	3x10 mm slit	J8205000

Please refer also to Sensor Accessories

Distributed by:

HEADQUARTERS

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