

PHOTOELECTRIC SENSORS FT18 SERIES

20 ÷ 250 VAC

Incorporated

> 10.000 Lux

Operation indicator

3 x 0.35 mm

Storage $-20 \div +90^{\circ}\text{C} \cdot \text{Working} -20 \div +50^{\circ}\text{C}$

Gray makrolon (On request stainless steel AISI 303)

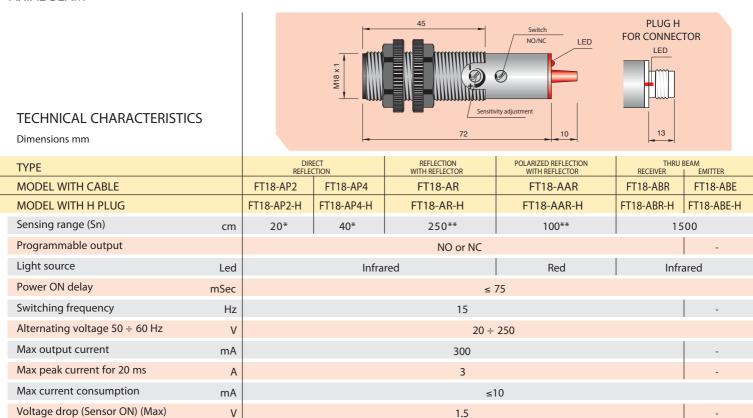
67

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Power supply

2 x 0,50 mm ²

CYLINDRICAL HOUSING M18x1 3 WIRES A.C. PROGRAMMABLE OUTPUT NO/NC SENSITIVITY ADJUSTMENT AXIAL BEAM



WIRING DIAGRAMS

Short circuit protection

Light immunity

Temperature limit

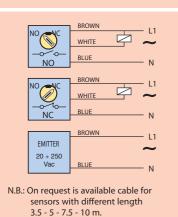
Protection degree

Plastic housing

Connector plug

Led

Cable

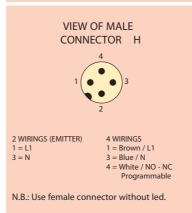


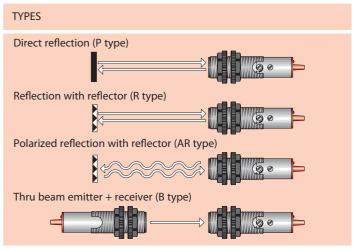
CONNECTIONS WITH H PLUG FOR CONNECTORS SEE PAGE 85

°C

ΙP

2m

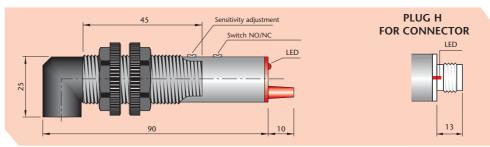




*The sensing distance is related to matt white paper dim. 10 x 10 cm. **The sensing distance is related to CT80 reflector.

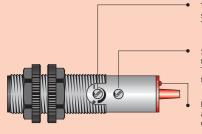
PHOTOELECTRIC SENSORS FT18 SERIES 90° BEAM

CYLINDRICAL HOUSING M18x1 3 WIRES A.C. PROGRAMMABLE OUTPUT NO/NC SENSITIVITY ADJUSTMENT 90° BEAM



DIRECT REFLECTION		REFLECTION WITH REFLECTOR	POLARIZED REFLECTION WITH REFLECTOR	THRU BEAM RECEIVER EMITTER	
FT18-AP2-90	FT18-AP4-90	FT18-AR-90	FT18-AAR-90	FT18-ABR-90	FT18-ABE-90
FT18-AP2-90-H	FT18-AP4-90-H	FT18-AR-90-H	FT18-AAR-90-H	FT18-ABR-90-H	FT18-ABE-90-H
20*	40*	250**	100**	1500	
NO or NC					-
Infrared			Red	Infrared	
≤ 75					
15					-
20 ÷ 250					
300					-
3					-
≤ 10					
1.5					-
Incorporated					-
> 10.000 Lux					-
Operation indicator					Power supply
Storage -20 ÷ +90°C ◆ Working -20 ÷ +50°C					
67					
Gray makrolon (On request stainless steel AISI 303)					
3 x 0.35 mm ²					2 x 0,50 mm ²
Н					

INSTRUCTIONS FOR THE PROGRAMMING AND ADJUSTMENT



TRIMMER FOR THE SENSING RANGE ADJUSTMENT: The photocell is supplied with max. sensing range with the trimmer totally rotated in the clockwise direction. The sensitivity reduces by rotating the trimmer in the anti-clockwise direction.

SWITCH NO/NC: The photocell is supplied with switch in NO position (in absence of the object to be detected the output is disactivated).

To change to N.C. (in absence of the object to be sensed the output is actived) turn the switch

to N.C. in the anti-clockwise direction.

LED FOR INDICATION OF OPERATION: This indicates the output of the photocell, in the absence of the object to be sensed it is off with output N.O. and is on with output N.C. this changes state when the object to be sensed enters into the sensing area of the photocell.

NOTE! Before giving a power supply to the photocell it is recommended that the same unit be programmed by using the switch in the required function NO or NC.

NOTE! It is recommended that the trimmer and the switch be rotated very carefully by using a proper tool otherwise these can be seriously damaged.

EMITTER FT18-ABE

POSITION OF POWER SUPPLY LED



TYPES WITH CABLE



TYPES WITH CONNECTOR

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