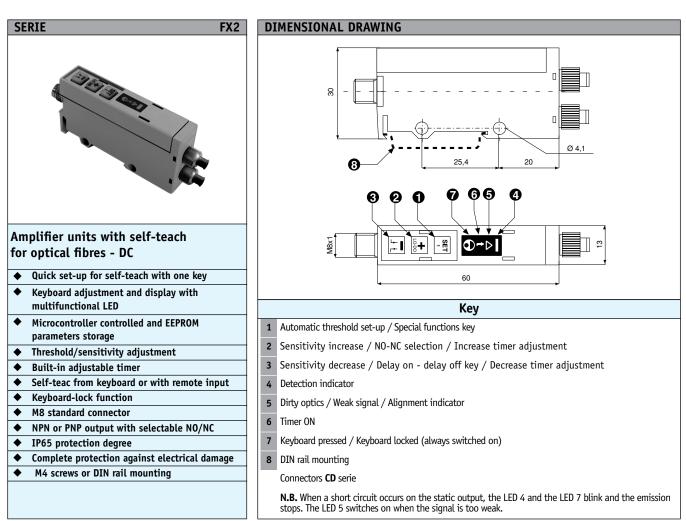
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2.2



CE

Keyboard for function selection-

The keyboard with three waterproof keys allows the access to following functions:

- threshold/sensitivity adjustment
- timing (from 0.04 to 5sec)
- sensor output state selection
- keyboard lock

M8 standard connector-

M8 standard connector for safe installation and fast maintenance (to be used with new M.D. range connectors CD08 series).

Remote adjustment-

The self-teach function can be activated also in the remote mode through wires of connection in case there is no enough space to reach the sensor.

Screw plus DIN rail mounting

FX2 serie offers a double mounting: the screw one (2xM4 step 25,4mm) or DIN rail one. The small dimensions allow the mounting in battery also.

Adjustment with a simple pressed-key

The simple pression of a key allow the self-teach and the achievement of optimum sensitivity in the standard mode. This work can be executed by any operators in easy and immediate way. The lock keyboard function avoids any undesirable or accidental setting of sensitivity.

-Multifunctional LED

A multifunctional LED allows the rapid signaling of: - ON-OFF detection - dirty optic - low signal - alignment - timer ON - locked keyboard - short circuit

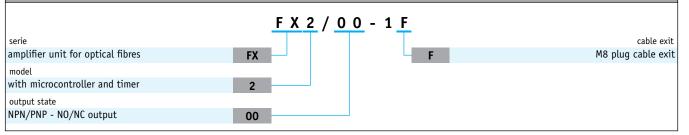
Wide range of optical fibres

The FX2 series can be connected with the wide plastic range of M.D.fibres CF serie and glass fibres CV serie. There is emission in red light with visible spot.

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ORDERING SYSTEM



SPECIFICATIONS				
Model	FX2/00-1F			
Nominal sensing distance (Sn)	see optical fibres table			
Emission	red(660nm)			
Operating voltage	10-30Vdc			
Ripple	≤10%			
No-load supply current	<40mA			
Load current	100mA			
Voltage drop	<2Vmax. I _L =100mA (<1Vmax. I _L =10mA)			
Output type	NPN / PNP, NO / NC			
Switching frequency	1KHz			
Supply electrical protections	polarity reversal			
Output electrical protections	permanent short circuit or overload protection			
Remote input on	<1,4V			
Remote input off	>3V			
Timer range	0 to 5s with 11 increments			
Timer increment duration	first increment: 40ms, following increments: 500ms			
Interference to external light	10000 (incandescent lamp), 20000 lux (sunlight)			
Temperature range	0+60°C			
Temperature drift	10% Sr			
Protection degree (DIN 40 050)	IEC IP65			
LED indicators	see "Dimensional drawing"			
Housing material	polyammide			
Weight (approx.)	24g			

OPTICAL FIBRES TABLE									
	model ⁽¹⁾	type	sensing distance	Ø fibre (core)	free-cut	fibre length ⁽²⁾	head shape (mm)		
Ľ	CF/CA2-**	diffuse reflection	20 mm	0,5mm	no	0,5-1 m	M4		
-slim	CF/CA4-**	diffuse reflection	20 mm	0,5mm	no	0,5-1 m	M4 with sleeve		
Ultra-	CF/RA4-**	through-beam	60 mm	0,5mm	no	0,5-1 m	M4 with sleeve		
	CF/RA7-**	through-beam	60 mm	0,5mm	no	0,5-1 m	M3		
	CF/CB1-**	diffuse reflection	65 mm	1mm	yes	1-2 m	M6		
Ces	CF/CB3-**	diffuse reflection	65 mm	1mm	yes	1-2 m	M6 with sleeve		
Distances	CF/RB4-**	through-beam	200 mm	1mm	yes	1-2 m	M4 with sleeve		
gDi	CF/RB6-**	through-beam	200 mm	1mm	yes	1-2 m	M4		
Long	CF/RB9-**	through-beam	2000 mm	1mm	yes	1-2 m	Ø6 with lens		
	CF/RBA-**	through-beam	2000 mm	1mm	yes	1-2 m	M7 with lens		
e	CF/CC1-20	diffuse reflection	35 mm	1mm	no	2 m	M6		
tube	CF/RC6-20	through-beam	160 mm	1mm	no	2 m	M4		
Spiral	CF/RC9-20	through-beam	1500 mm	1mm	no	2 m	Ø6 with lens		
	CF/RCA-20	through-beam	1500 mm	1mm	no	2 m	M7 with lens		

(1) The last two bits of the code show the fiber length (in dm) - (2) Standard length. Special lengths are available on request. See CF-CV-AF series

