FY series
Advanced fiber amplifiers

features

- **Double display: signal value and threshold**
- **Anti mutual interference function (x 4 sensors)**
- **Adjustment by teach in**
- **PNP or NPN output**
- **Delay function output**
- **4 response time selectable**
- **Connection by cable or cable with M8 plug**



web contents

- **Application notes**
- **Photos**
- **Catalogue / Manuals**

code description

FY 2 / 0 P - 0 A

series	FY	Advanced amplifiers DIN rail double display, teach-in adjustment
model	2	Basic model response time selectable delay
	3	Advanced model response time selectable delay, anti-mutual interference
LO / DO	0	LO/DO function selectable
PNP / NPN output	P	PNP output
	N	NPN output
housing	0	Plastic housing
cable / plug output	A	Cable output 2 m
	V	Pig-tail cable 150 mm + M8 4 pin plug

available models

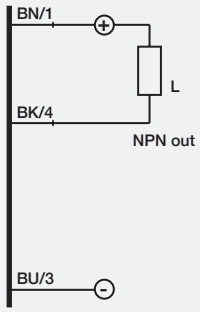
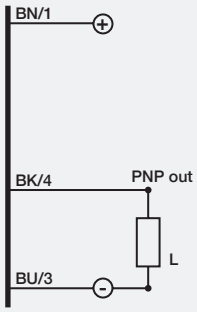
dimensions (mm)	series	DIN rail	adjustment	exit	PNP	NPN
					NO / NC	NO / NC
71,8 x 30,3 x 9,80	FY2	•	Teach-In	Pig-tail	FY2/0P-0A	FY2/0N-0A
				M8 4 pin plug	FY2/0P-0V	FY2/0N-0V
	FY3			Pig-tail	FY3/0P-0A	FY3/0N-0A
				M8 4 pin plug	FY3/0P-0V	FY3/0N-0V

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technical specification

	FY2/0*-0*	FY3/0*-0*
		
Sensing distance	See optical fibres table	
Emission	Red (680nm)	
Operating Voltage	12…24Vdc	
Ripple	10%	
No-load supply voltage	≤ 50mA	≤ 40mA
Maximum load corrent	≤ 100mA	
Out voltage drop	≤ 1,5V	≤ 1 V
Output type	NPN or PNP (Lon/Don)	
Responce time	40µs(HIGH SPEED) 250 µs (FINE) 1ms (SUPER) 16ms(MEGA)	OFF: 100µs(HIGH SPEED) 250 µs (FINE) 1ms (SUPER) 8ms(MEGA) ON: 300µs(HIGH SPEED) 500 µs (FINE) 2ms (SUPER) 16ms(MEGA) Anti-mutua Int 2ms
Leakage current	≤ 10µA	≤ 10µA
Anti mutual interference function	No	Yes
Power supply protection	Polarity inversal	
Output protection	Overcurrent Overvoltage	
Timer funtion	Delay ON Delay OFF ONE SHOT	
Operative temperature	-20°C….+55°C (without freeze)	
EMC	In conformity with EMC (according to EN 60947-5-2)	
Interference light	Incadascence Lamp 20 Klux - Sunlight 30 Klux	
Humidiy	35…85%	
Protection degree	IP64	
Housing Material	PC	
Dimension	71,8 x 30,3 x 9,80 mm	
Connection	Cable 2m, Pig-tal 150mm conn. M8 4pin	
Weight	50g (cable), 80g (pig-tail M8)	

electrical diagrams of the connections

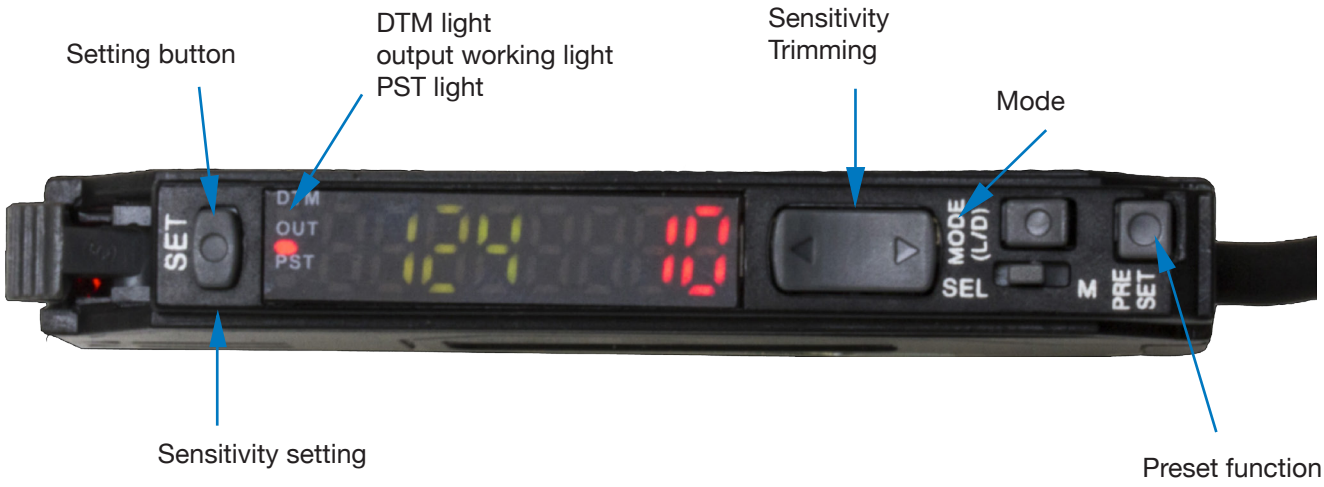
NPN	PNP
	

BN	brown
BU	blue
BK	black

plug

M8


key panel



dimensions (mm)

FY

