

# FX

## Fibre Optic Amplifier



### Key Features

- Digital “Teach In” sensitivity adjustment (FX4)
- Multi turn potentiometer adjustment (FX3)
- High speed output response
- Ultra thin 10mm housing
- 20mm to 200mm range
- Pulse stretcher
- CE, UL and cUL approved

### FX Series Selection

	Type	Source	Distance	Output
FX3/0N-0A	Use with diffuse or through-beam fibre	Visible Red	Fibre dependent	NPN - NO/NC
FX3/0N-0F	Use with diffuse or through-beam fibre	Visible Red	Fibre dependent	NPN - NO/NC
FX3/0P-0A	Use with diffuse or through-beam fibre	Visible Red	Fibre dependent	PNP - NO/NC
FX3/0P-0F	Use with diffuse or through-beam fibre	Visible Red	Fibre dependent	PNP - NO/NC
FX4/0P-0F	Use with diffuse or through-beam fibre	Visible Red	Fibre dependent	PNP - NO/NC
FX4/0N-0F	Use with diffuse or through-beam fibre	Visible Red	Fibre dependent	NPN - NO/NC

### CF range of Fibres

	Model	Sensing Distance			Fibre Core Ø	Free-Cut	Lens	Head Type	Fibre & Sleeve Bending Radius R <sub>min</sub>	Temperature Range	Head Material
		FS1	FX3	FX4							
CF/CA1	Diffuse	60mm	140mm	140mm	0.5mm	Yes	Yes	M5	15mm-N/A	-25 to +70°C	V2A INOX/Stainless Steel
CF/CA2	Diffuse	15mm	70mm	110mm	0.5mm	No	No	M4	5mm-N/A	-40 to +70°C	CuZn Ni Plated
CF/CA4	Diffuse	15mm	60mm	80mm	0.5mm	No	No	M4 + Sleeve	5mm-5mm	-40 to +55°C	CuZn Ni Plated
CF/CB1	Diffuse	50mm	200mm	300mm	1mm	Yes	No	M6	10mm-N/A	-40 to +70°C	CuZn Ni Plated
CF/CB3	Diffuse	50mm	200mm	300mm	1mm	Yes	No	M6 + Sleeve	10mm-10mm	-40 to +55°C	CuZn Ni Plated
CF/CC1	Diffuse	15mm	70mm	100mm	1mm	No	Yes	M6	10mm-N/A	-40 to +70°C	CuZn Ni Plated
CF/RA4	Through Beam	30mm	150mm	250mm	0.5mm	No	No	M4 + Sleeve	10mm-10mm	-40 to +55°C	CuZn Ni Plated
CF/RA7	Through Beam	30mm	150mm	250mm	0.5mm	No	No	M3	5mm-N/A	-40 to +70°C	CuZn Ni Plated
CF/RB3	Through Beam	120mm	700mm	700mm	1mm	Yes	Yes	M4 + M2.6	25mm-N/A	-40 to +70°C	CuZn Ni Plated
CF/RB4	Through Beam	120mm	600mm	900mm	1mm	Yes	No	M4 + Sleeve	10mm-10mm	-40 to +55°C	CuZn Ni Plated
CF/RB6	Through Beam	120mm	600mm	900mm	1mm	Yes	No	M4	10mm-N/A	-40 to +70°C	CuZn Ni Plated
CF/RB9	Through Beam	1.2m	8m	10m	1mm	Yes	Yes	Ø 6mm	10mm-N/A	-40 to +70°C	CuZn Ni Plated
CF/RBA	Through Beam	1.2m	8m	10m	1mm	Yes	Yes	M7	10mm-N/A	-40 to +70°C	CuZn Ni Plated
CF/RC6	Through Beam	100mm	500mm	500mm	1mm	No	No	M4	10mm-N/A	-40 to +70°C	CuZn Ni Plated
CF/RC9	Through Beam	1m	6m	8m	1mm	No	Yes	Ø 6mm	10mm-N/A	-40 to +70°C	CuZn Ni Plated
CF/RCA	Through Beam	1m	6m	8m	1mm	No	Yes	M7	10mm-N/A	-40 to +70°C	CuZn Ni Plated

# FS

## Fork Sensor



### Key Features

- 3mm gap
- Label detection
- Multilayer transparent film detection

### Fork Sensor Selection

	Type	Source	Distance	Output	Operating Voltage	Exit
FS3/0P-0F	Fork	Infrared	3mm gap	PNP - NO/NC	12-24VDC	M8 plug
FS3/0N-0F	Fork	Infrared	3mm gap	NPN - NO/NC	12-24VDC	M8 plug
FS3/00-0F	Fork	Infrared	3mm gap	PNP/NPN - NO/NC	12-24VDC	M8 plug