



FX-551P

FX-551 series - Advanced fibre optic amplifier

DIN rail mounting

Significantly improved stability and operation ease, due to industry's top emission power.
 - 3 times higher emission power and 1.6 times longer sensing range than conventional models
 - Simplified functions for improved operation ease

- Connection: Connector with cable (*supplied separately*)
- Sensitivity setting: 2-point teaching / limit teaching / Full-auto teaching / manual setting
- Timer function: ON-delay, OFF-delay, One shot, no timer (*selectable*) 0.1ms - 32sec
- Dimensions: 32 x 10 x 75 mm

type	supply voltage	max. sensing distance (mm)	PNP	NPN	light-on	dark-on	connector
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Amplifier for optical fibres

FX-551P	12 - 24 VDC	dependant on fibre used	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	connector
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Accessories for above FX551 amplifiers

CN-73-C2	main cable with connector for above amplifier (<i>2 meter</i>)						connector
CN-73-C5	main cable with connector for above amplifier (<i>5 meter</i>)						connector
CN-71-C2	sub cable with connector for above amplifier (<i>2 meter</i>)						connector

Optical fibre sensors for above amplifiers

Due to the vast range of optical fibres available, we illustrate a basic range (*indicated below*).
 Vast range of available optical fibre sensors available, request fibre guide, available as a PDF file.

type	supply voltage	diffused	retro-reflective	polarised retro	through-beam	max. sensing distance(mm)		cuttable fibre	head type	fibre length
						FX102	FX551 hyper mode			

Reflective types *proximity type detection (no transmitter or reflector required)*

Cylindrical threaded body (straight) (*IP67*)

FD-31	M3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	140	515	yes	cylindrical	2 met
FD-41	M4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	140	515	yes	cylindrical	2 met
FD-61	M6	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	410	1400	yes	cylindrical	2 met

Square threaded body (right angled)

FD-R31G	M3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	150	530	yes	square	2 met
FD-R41	M4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	170	710	yes	square	2 met

Protective tube (for FD series reflective fibres)

FDP-N500	M4	non-corrosive stainless steel protective tube for								0.5 met
FDP-N1000	M4	non-corrosive stainless steel protective tube for								1.0 met
FDP-N1500	M4	non-corrosive stainless steel protective tube for								1.5 met

Thru-beam types *supplied as a set with transmitter and receiver*

Cylindrical threaded body (straight)

FT-31	M3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	340	1200	yes	cylindrical	2 met
FT-42	M4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	800	3600	yes	cylindrical	2 met

Square threaded body (right angled)

FT-R31	M3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	340	1000	yes	square	2 met
FT-R43	M4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	640	3000	yes	square	2 met

High temperature fibres

FT-H20-WM1	+200°C	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	300	1600	no	cylindrical	1 met
FT-H35-M2S6	+350°C	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	490	1200	no	cylindrical	2 met

Expansion lenses (for thru-beam type fibres) *-60 to +350°C*

For fibres: FT-42/43, FT-H20-WM1, FT-H35-M2S6

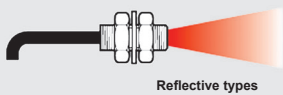
FX-LE1	M4	fibre expansion lens side view 90° beam axis								FT-42/43
FX-SV1	M4	fibre expansion lens (<i>5 times increased sensing</i>)								FT-42/43

Protective tube (for FT series thru-beam fibres)

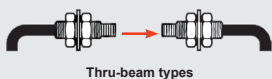
FTP-500	M4	non-corrosive stainless steel protective tube for								0.5 met
FTP-1000	M4	non-corrosive stainless steel protective tube for								1.0 met
FTP-1500	M4	non-corrosive stainless steel protective tube for								1.5 met

Fibre accessories

FX-CT1	fibre cutting tool (<i>to cut fibres to desired length</i>)									
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Reflective types



Thru-beam types