

Fiber amplifier selection guide

High-speed digital type

D3RF, D3IF series P.110








Easy-to-use and low cost

Introducing the 3rd generation of ultra high-speed fiber amplifiers

CC-Link communication unit supported

World's fastest* 16μs *Among digital fiber amplifiers

Type	Series	Main features	
Digital teaching type 	D3RF, D3IF series 	Response time 16 μs (22 μs when linked) to 8 ms, 7-stage switching	Detection stabilizing function FALUX (temperature correction circuit), ASC (dual sensitivity correction function)
	D2RF series 	Response time 60 μs, 250 μs, 2 ms 3-stage switching	Detection stabilizing function APC (automatic emitting power adjustment), ASC (dual sensitivity correction function)
Potentiometer type 	BRF, BIF series 	External input Setting is possible from among external teaching, synchronization, emission stoppage, and counter reset (counter reset input is only equipped to dual output types)	Utility <input type="radio"/> Percentage display <input type="radio"/> Eco Mode <input type="radio"/> Hysteresis adjustment <input type="radio"/> Counter function (Only equipped to dual output types)
		External input (Only equipped to dual output/alarm output types) Setting possible to either external teaching or counter reset	Utility <input type="radio"/> Counter function (dual output/alarm output types only) <input type="radio"/> With degree of protection on IP66 type
		Response time <input type="radio"/> 250 μs (standard type) <input type="radio"/> 1 ms (water detection specialized type)	Utility <input type="radio"/> 10-turn sensitivity adjustment potentiometer with indicator <input type="radio"/> Degree of protection on IP66 for all models

Digital type

D2RF series P.122



A fiber amplifier featuring dual outputs, dual displays, and dual sensitivity correction functions

- Dual output type and analog output equipped type
- An IP66 type is also available

Potentiometer type

BRF, BIF series P.130



A potentiometer type fiber amplifier featuring a large indicator and equipped with a finger-operated sensitivity adjustment potentiometer

- All models are IP66
- A water detection specialized type is also available

Linking function	Output, etc.	Model	Page	
Stand-alone type	Single output	D3RF-T□	P.110	
	Dual output, counter function	D3RF-TD□	P.110	
	Single output, specialized for water detection	D3IF-T□	P.110	
Inter-connection type ○ No. of connectable units Max. 16 units ○ Cross talk prevention: 2 to 16 units (depending on settings) ○ CC-Link communication unit supported	Single output	D3RF-TM□ (master unit) D3RF-TS□ (slave unit)	P.110 P.110	
	Dual output, counter function	D3RF-TDM□ (master unit) D3RF-TDS□ (slave unit)	P.110 P.110	
	Stand-alone type	Dual output/alarm output	D2RF-T□	P.122
		Single output (with analog output)	D2RF-TA□	P.122
Single output (with analog output), IP66		D2RF-2TA□	P.122	
Dual output/alarm output, IP66		D2RF-2T□	P.122	
Inter-connection type ○ No. of connectable units Max. 8 units ○ Cross talk prevention: 4 units (depending on settings)	Dual output/alarm output	D2RF-TM□ (master unit) D2RF-TS□ (slave unit)	P.122 P.122	
	Only stand-alone types	Single output	BRF-□	P.130
Single output, specialized for water detection		BIF-W□	P.130	

Photoelectric Sensors

Specialized Photoelectric Sensors

Laser Displacement Sensors

Fiber Amplifiers

Model selection