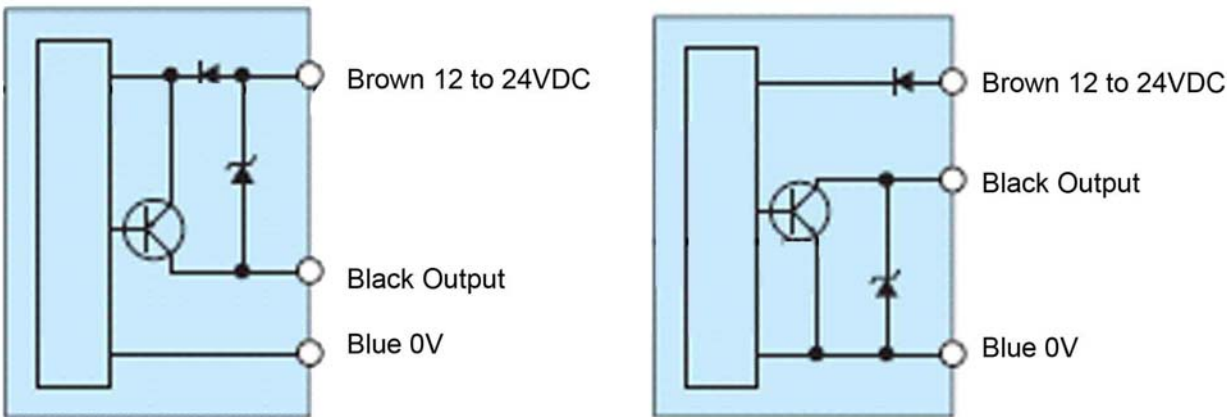


F80R series

- This sensor is an auto-teaching type fiber optic amplifier for FA use, which is designed to incorporate a large-scaled display of 4-digit figure for received-light level.
- Slowly expression to provided for received-light level variation to be clearly readable
- Long range mode or high-speed mode is selectable to meet detection purpose.



OUTPUT CIRCUIT



SPECIFICATIONS

Model	NPN	F80R
	PNP	F80RPN
Power supply	12 to 24V DC \pm 10% Ripple 10% or less	
Power consumption	NPN	650mW Max. (25mA Max. at 24V)
	PNP	830mW Max. (32mA Max. at 24V)
Output mode	NPN	NPN open collector Rating: Sink current 100mA (30V DC Max.) Remain voltage 1V Max.
	PNP	PNP open collector Rating: Source current 100mA (30V DC Max.) Remain voltage 2V Max.
Operating mode	Light-On/Dark-On selectable by slide switch	
Timer	Off delay/No timer selectable by slide switch	
	Timer time = 45ms. Fixed	
Response time	High-speed mode: 190 μ s Max.	
	Long range mode: 1.8ms Max.	
Light source	Red LED (660nm)	
Indicators	Operation indicator: Orange LED, Mode indicator: Yellow LED, Teaching indicator: Green LED	
Display	Received light level indication: Orange LED 4-digit (0-8000)	
Switch	Output mode changeover switch: 1, Timer changeover switch: 1	
	Bushing for teaching and sensitivity adjustment: 4-direction switch X 1	
Sensitivity setting system	Full auto-teaching / auto-teaching	
Sensitivity adjustment	Built-in (Manual adjustment for sensitivity)	
Protection circuit	Reverse connection protection. Short circuit protection, surge absorption	
Materials	Polycarbonate	
Wiring	Flying lead 2m (Outer dia. 3.7) 0.2mm X 3 wicks	
Weight	Approx. 60g (including cord 2m and mounting bracket)	
Accessory	Mounting bracket, Instruction manual	

DIMENSIONS

