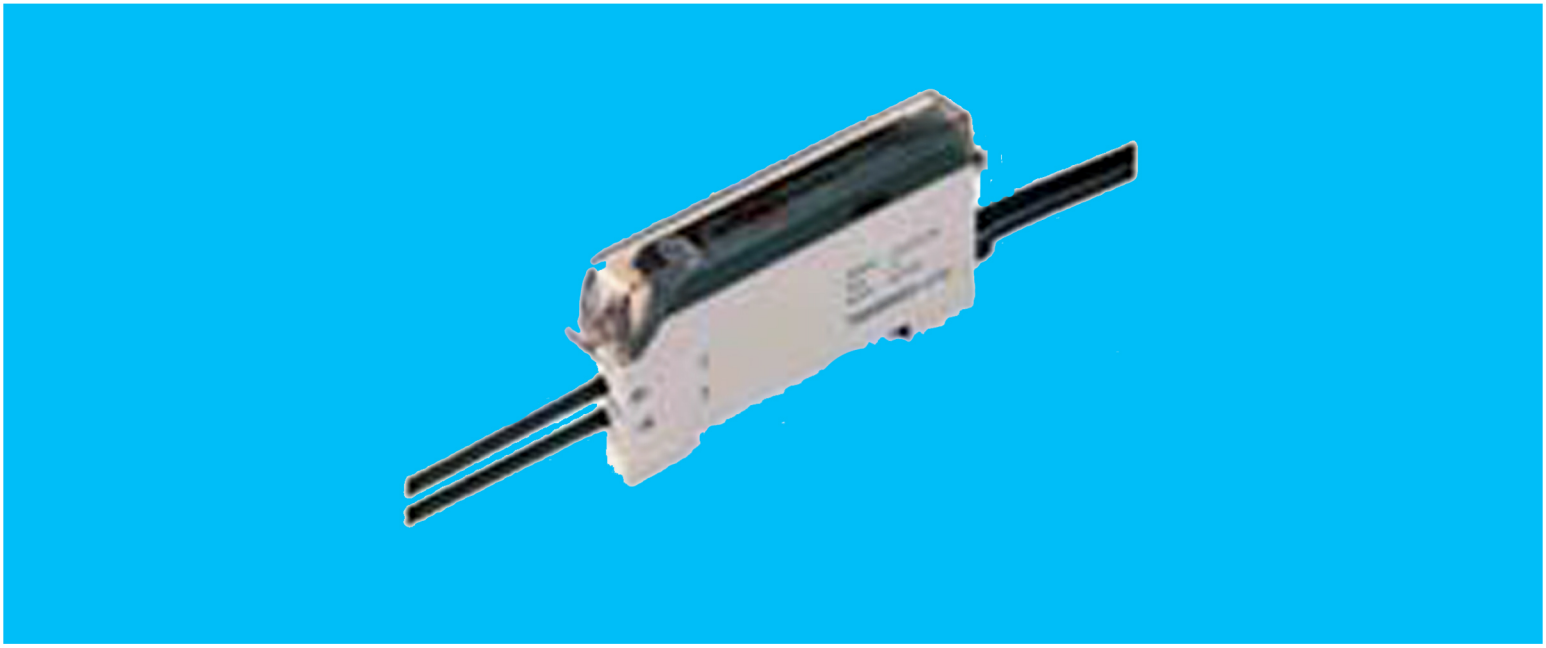
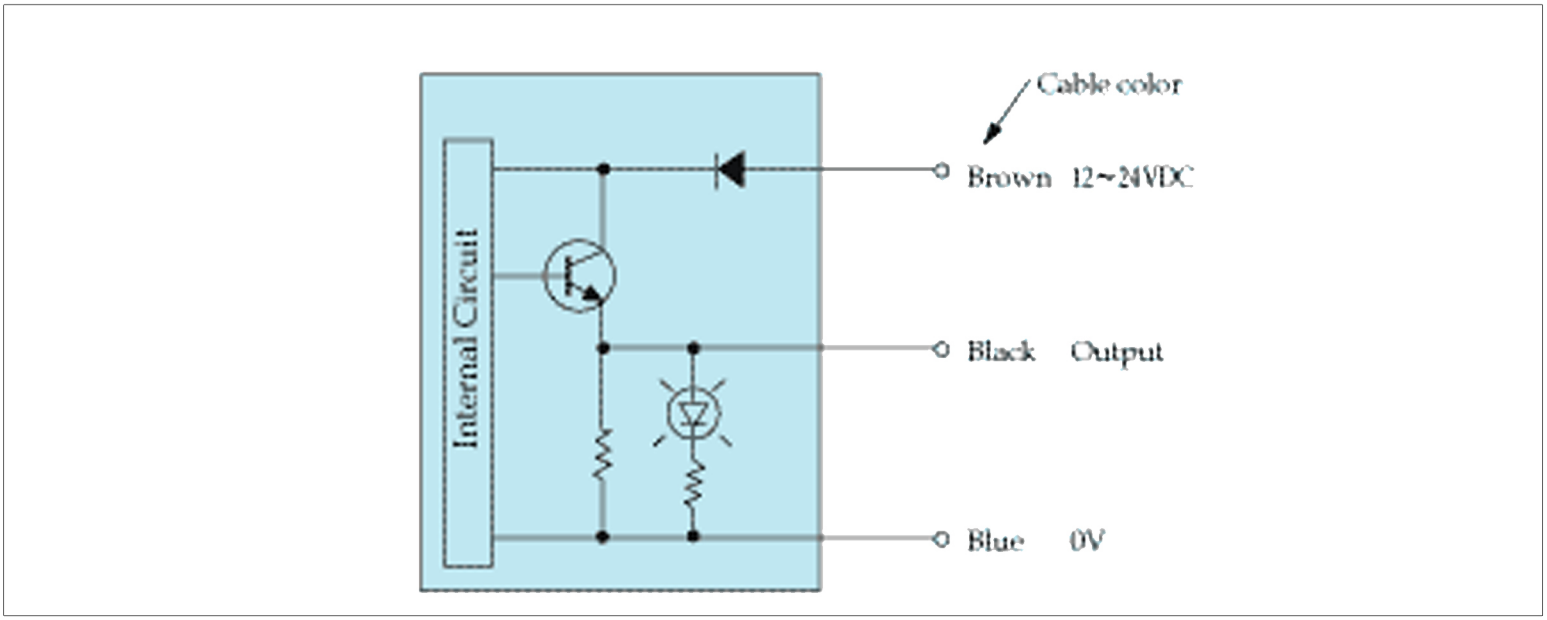
# F71RAN series

- Analog output type sensor with fine resolution
- Fiber optic type with very small detection head
- 4 turn sensitivity VR with an indicator that enables fine adjustment.
- Using the red LED enables light-On check.
- Combined with different fiber units, allows various controls.



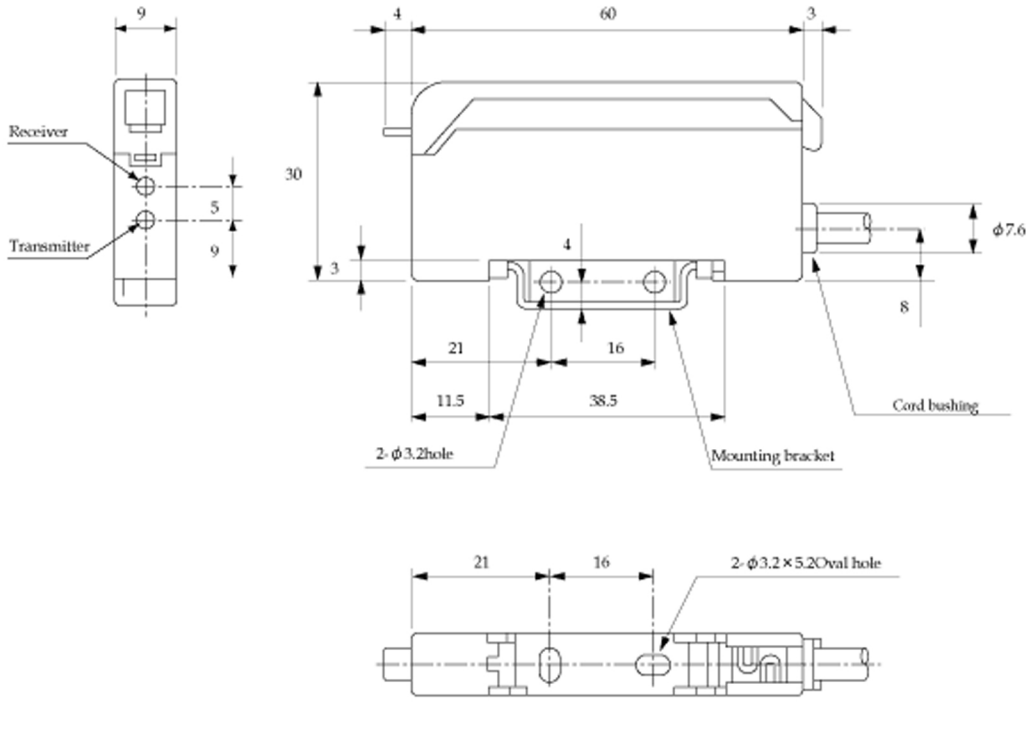
## OUTPUT CIRCUIT



# SPECIFICATIONS

| Model | F71RAN |
|---|---|
| Detection method | By Fiber optic cable |
| Range | Depends on fiber optic cables |
| Power supply | 12 to 24VDC±10%, ripple 10% (Max.) |
| Current consumpion | 26mA(Max.) |
| Output mode | Analog output(voltage) |
| Rating | 2-8V |
| Operating mode | Light intensity analog |
| Response time | Up 2→8V 10ms(Max.) |
| | Down 8→2V 25ms(Max.) |
| Temperature drift | 0.3%/°C (Max.) at -10~+50°C |
| Output ripple | 80mV(Max.) |
| Light source | Red LED(680nm) |
| Indicators | Power : Green LED, Light intensity : Orange LED |
| Materials | Case: Heat-proof ABS, Cover: Polycarbonate |
| Cable | Flying lead(Outer dia 4.8mm) 2m length |
| Weight(Max) | 90g(with bracket) |

# ENVIRONMENT

| | |
|---|---|
| Ambient light | Withstands 10,000 Lux |
| Operating temp. | -10~ +55°C |
| Humidity | 35~85% RH |
| Case protection | IP 40(IEC) |
| Vibration | 10~55Hz, 1.5mm Amplitude 2 Hr, 3 Directions |

# DIMENSIONS