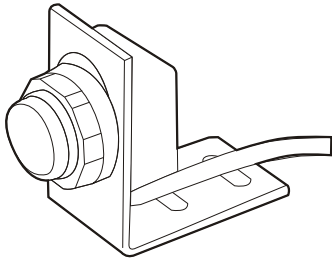


Manual of Mini M18 series Photoelectric Beam Sensor



Features

- Mini Size: 30mm(L)×18mm(D)
- Super Sensing Range: 30 meters (Through Beam)
- Twice Output: Both NPN / PNP
- Water Proof: IP-67

Application

- Car Washing Machine or Conveyer

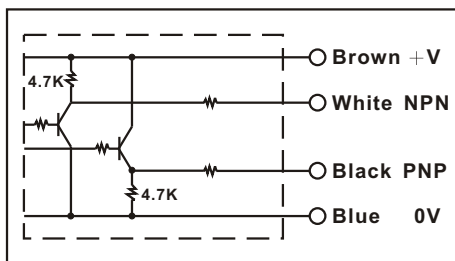


Specifications

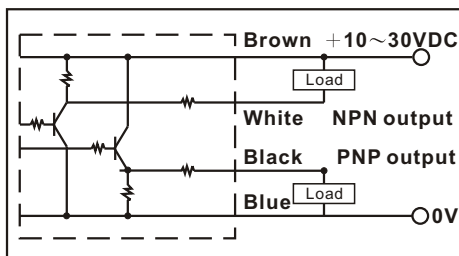
Detection Method	Retro-Reflection		Through Beam		Diffused Type	
Model Number	IR-300M18-NO	IR-300M18-NC	IR-3000M18-NO	IR-3000M18-NC	IR-15M18-NO	IR-15M18-NC
Output Status	Normal Open	Normal Close	Normal Open	Normal Close	Normal Open	Normal Close
Sensing Range	3m		30m		15 cm	
Operating Volt.	10-30VDC: RIPPLE <20% OF P.P					
Consumption Current	20 mA		35 mA		20 mA	
Output	Both NPN / PNP (Selectable)					
Output Current	150 mA Max.					
Residual Voltage	0.8V Max.					
Leakage Current	Circuit 0.8 mA Max.					
Protection Circuit	1. Short Circle		2. Polarity Reversed Protection			
Response Time	1ms		5ms		1ms	
Sensing Adjuster	None		None		270 Trimmer	
Hysteresis	20% of Sensing Range Max.					
Illumination	Lamplight <10,000 LUX, Sunlight <20,000 LUX					
Housing Material	Intensive ABS					
Ambient Temp.	Minus 20°C~60°C; 35%-85%RH					
Water Proof	IP-67					

OUTPUT CIRCUIT & CONNECTION DIAGRAM

OUTPUT CIRCUIT



CONNECTION DIAGRAM



DIMENSION & FIXED METHOD

