Waterproof proximity photoelectric sensor V5UF-M/C series
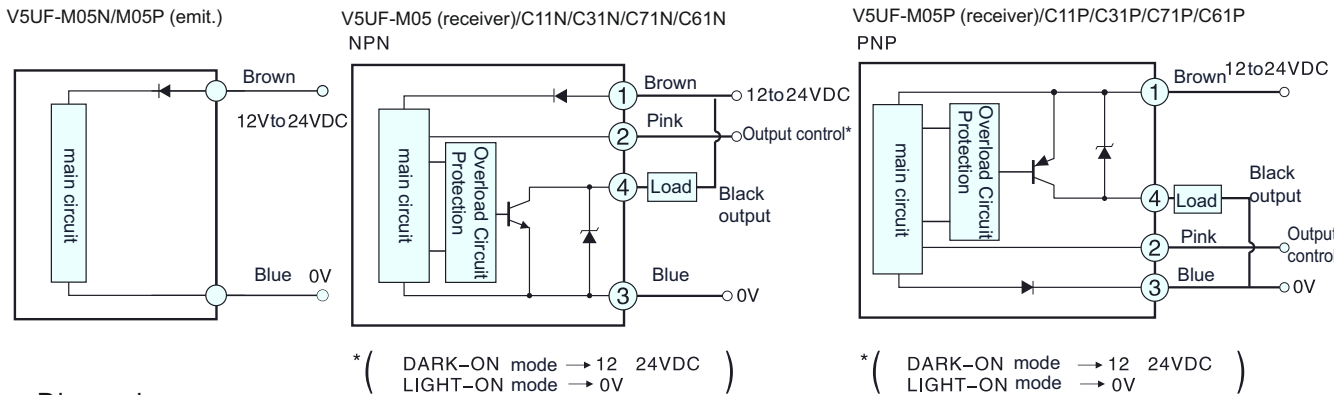
■ Highlights

- ■ Using SUS316L solid body, durable and long service life;

- ■ Detection distance one key setting, convenient and quick;

- ■ Unique stable detection algorithm;

- ■ Waterproof, can be used for high humidity ambient of water or other liquids;

■ Product parameters

Appearance					
Type		Through beam	Diffuse		Retro
Model	NPN	V5UF-M05N	V5UF-C11N / C11CN	V5UF-C31N / V5UF-C31CN	V5UF-C71N / V5UF-C71CN	V5UF-C61N / V5UF-C61CN
	PNP	V5UF-M05P	V5UF-C11P / V5UF-C11CP	V5UF-C31 / V5UF-C31CP	V5UF-C71P / V5UF-C71CP	V5UF-C61P / V5UF-C61CP
Detect distance		10m	5-10mm	5-300mm	20-900mm	0.1-1.5mm
Setting distance		-	30-100mm	40-300mm	150-900mm	-
Light Source		Red LED	Red LED	Red LED	Infared	Red LED
Sensitivity adjust		button	button	button	button	button
Reaction time		Max. 1.5ms	Max. 1ms	Max. 1ms	Max.1ms	Max. 1ms
Operation mode		LIGHT-ON / DARK-ON				
Indicator light		Output and power: orange LED / stable operation: green LED				
Digital Display		7-grid, 3-digit red LED				
Control output		NPN: maximum 100mA (30V)/ PNP: maximum 100mA (26.4V), residual voltage: maximum 1V				

■ Input/Output circuit

V5UF-M05N/M05P (emit.)

Brown
12V to 24VDC

Blue   0V

main circuit

V5UF-M05 (receiver)/C11N/C31N/C71N/C61N
NPN

① Brown — 12 to 24VDC
② Pink — Output control*
④ Load — Black output
③ Blue — 0V

main circuit / Overload Circuit Protection

*(DARK-ON mode → 12 24VDC
  LIGHT-ON mode → 0V)

V5UF-M05P (receiver)/C11P/C31P/C71P/C61P
PNP

① Brown 12 to 24VDC
④ Load — Black output
② Pink — Output control*
③ Blue — 0V

main circuit / Overload Circuit Protection

*(DARK-ON mode → 12 24VDC
  LIGHT-ON mode → 0V)

■ Dimension