

JS series

- It is easy to set the detecting area by extension unit and corner unit.
- The usage expands further with the new method corner unit.



CORNER UNIT (JS-V29)



- The sensor is adopted in the corner unit.
- A careless invasion is not missed.
- The detection area can be flexibly enhanced

SPECIFICATIONS

Optical axis	20mm Axis pitch of both side of the center optical axis is 40mm.
Number of optical axis	9
Detecting object	φ30mm dia Detecting object is F50mm at the both side of the center axis.
About connected number	The corner unit becomes three units with as much as one peace.

LIGHT CURTAIN SENSORS

SPECIFICATIONS

Models	JS20 series				JS40 series			
	Main unit	Extension Unit	Main unit	Extension unit	Main unit	Extension unit	Main unit	
	JS-T28(PN)	JS-T24(PN)	JS-T28(PN)	JS-T24(PN)	JS-T28(PN)	JS-T24(PN)	JS-T28(PN)	
Trns.	JS-TL28	JS-TL24	JS-TL24	JS-VL29	JS-TL44	JS-TL42	JS-TL42	
Rcvr.	JS-TR28(PN)	JS-TR24(PN)	JS-TR24	JS-VR29	JS-TR44(PN)	JS-TR42	JS-TR42	
Detection Range	Through beam 5m Max.							
Obj. resolution (Min.)	φ30mm Opaque object				φ50mm Opaque object			
Optical axis pitch	20mm				40mm			
No. of optical axis	8	4	4	8	4	4	8	
Max. optical axis	96				48			
Max. connecting unit					23			
Detecting width	140mm (8 optical axis) ~ 1900mm (96 optical axis) JS20 series only (Extension)				120mm (4optical axis)~ 1880mm (48 optical axis) JS40 series only (Extension)			
Power supply	12-24VDC ±10%, Ripple 10%(Max.)							
Current consumption	120mA(Max.)	20mA(Max.)	120mA(Max.)	20mA(Max.)	120mA(Max.)	20mA(Max.)	120mA(Max.)	
Detection	NPN open collector output							
Range	Sink current 100mA, DC30V(Max.)							
Obj. resolution (Min.)	PNP open collector output							
Optical axis pitch	Source current 100mA, DC30V(Max.)							
No. of optical axis	All light axis Light-On: Output transistor ON, One light axis obstructed: Output transistor OFF							
Output mode	30ms(Max.)							
Rating	Red LED (850nm)							
Output mode	(PNP) Photo diode							
Rating	NPN open collector output							
Operating mode	Sink current 100mA, DC30V(Max.)							
Response time	PNP open collector output							
	Trns.	Run (Green), Slave (Orange), Light-On (Green), Operating (Red)						
	Rcvr.	Run (Green), Light-On (Orange), Operating (Red)						
Case material	Case : ABS, Lens : Acrylic							
Connection	Main unit : 4P connector							
Incidental function	Automatic sensitivity compensation function, Interference protection, Output short circuit protection equipment							
Accessories	Ball point driver 1pce (Main unit only), Bracket, Handling description							

DIMENSIONS

