

INFRARED COMMUNICATION SOLUTIONS

Nozzle Receiver Specification

The nozzle receiver is an Infrared signal receiver per J2799 standard. Its output is RS 485 signal.

Specification description	Value	Unit	Remarks
Signal input			
Format	J2799 standard		
Sensitivity level	0.57-0.60	A/W	
Bandwidth	870-950	nm	
Power input			
Voltage (typ)	5	V	
Voltage (min)	3.7	V	
Current (typ)	20	mA	
Current (max)	30	mA	
Absolute maximum			
Power voltage in	16	V	
Data voltage in	0 – 5.5	V	
Signal output			
Format	RS485		
Voltage different level	0-6	V	
Form factor	Ring		
Inner diameter	32	mm	
Outer diameter	66	mm	
Height	42	mm	
Weight	170	g	
Housing material	Delrin ,POM, aluminum		
Operation temperature	-40 to 80C		
Ingress protection	IP66		
Certification	ATEX, NEC, TIIS		
Output connector type	Mizu or Escha, Wire length if any vary from 200mm to 500mm		See user manual for details

Ordering information for most configuration

200033	Nozzle receiver-WEH housing ATEX	200364	Nozzle receiver-Nitto Housing, ATEX
200074	Nozzle receiver-Walther housing ATEX	200325	Nozzle receiver WEH exchangeable, ATEX
200314	Nozzle receiver-WEH housing Class 1, Div 2	200327	Nozzle receiver WEH exchangeable, Class 1 Div 2
200315	Nozzle receiver-Walther housing Class 1, Div 2	200366	Nozzle receiver-Nitto Housing, Class 1 Div 2
200208	Nozzle receiver-Nitto housing TIIS	200306	Nozzle receiver-WEH housing TIIS

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All specifications subject to change without notice.