

# INFRARED COMMUNICATION SOLUTIONS

## Nitto & Walther 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
<b>Signal input</b>			
Format	J2799 standard		
Sensitivity level	0.57-0.60	A/W	
Bandwidth	870-950	nm	
<b>Power input</b>			
Voltage (typ)	5	V	
Voltage (min)	3.7	V	
Current (typ)	20	mA	
Current (max)	30	mA	
<b>Absolute maximum</b>			
Power voltage in	16	V	
Data voltage in	0 – 5.5	V	
<b>Signal output</b>			
Format	RS485		
Voltage different level	0-6	V	
<b>Safety parameters</b>			
Voltage (Ui) 8.0 V, Power (Pi) 0.5 W, Current (Ii) 200 mA, Capacitance (Ci) 6.6 µF, Inductance (Li) 0 mH			
<b>Form factor</b>			
Ring			
Inner diameter	32	mm	
Outer diameter	66	mm	
Height	42	mm	
Weight	170	g	
Housing material	Delrin ,POM		
Operation temperature	-40 to 85°C		
Ingress protection	IP66		
Certification	ATEX, NEC, TIIS, KTL, CCC		Ex ib IIC T4 Gb
Output connector type	Mizu or Escha, Wire length if any vary from 200mm to 500mm		See user manual for details

Ordering information for Nitto & Walther Nozzle Receivers	
200074	Nozzle receiver-Walther housing ATEX
200208	Nozzle receiver-Nitto housing TIIS
200315	Nozzle receiver-Walther housing Class 1, Div 2
200364	Nozzle receiver-Nitto Housing, ATEX
200366	Nozzle receiver-Nitto Housing, Class 1 Div 2
200619	Nozzle receiver-Walther housing KTL
200816	Nozzle receiver-Walther housing CCC

Contact Information-IRDI System Inc.,Email: info@irdisystem.com



All specifications subject to change without notice.