

# INFRARED COMMUNICATION SOLUTIONS

## WEH 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>			
<b>Format</b>	J2799 standard		
<b>Sensitivity level</b>	0.57-0.60	A/W	
<b>Bandwidth</b>	870-950	nm	
<b>Power input</b>			
<b>Voltage (typ)</b>	5	V	
<b>Voltage (min)</b>	3.7	V	
<b>Current (typ)</b>	20	mA	
<b>Current (max)</b>	30	mA	
<b>Absolute maximum</b>			
<b>Power voltage in</b>	16	V	
<b>Data voltage in</b>	0 – 5.5	V	
<b>Signal output</b>			
<b>Format</b>	RS485		
<b>Voltage different level</b>	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		
<b>Inner diameter</b>	32	mm	
<b>Outer diameter</b>	66	mm	
<b>Height</b>	42	mm	
<b>Weight</b>	170	g	
<b>Housing material</b>	Delrin ,POM, aluminum		
<b>Operation temperature</b>	-40 to 85 °C		
<b>Ingress protection</b>	IP66		
<b>Certification</b>	ATEX, NEC, TIIS, KTL		Ex ib IIC T4 Gb
<b>Output connector type</b>	Escha, Wire length if any vary from 200mm to 500mm		See user manual for details

Ordering information for WEH Nozzle Receivers	
200033	Nozzle receiver-WEH housing ATEX
200306	Nozzle receiver-WEH housing TIIS
200314	Nozzle receiver-WEH housing Class 1, Div 2
200325	Nozzle receiver WEH exchangeable, ATEX
200327	Nozzle receiver WEH exchangeable, Class 1 Div 2
200547	Nozzle receiver WEH exchangeable KLT
200548	Nozzle receiver-WEH housing KTL
200795	Nozzle receiver-WEH exchangeable TIIS