Installation and Instruction Manual



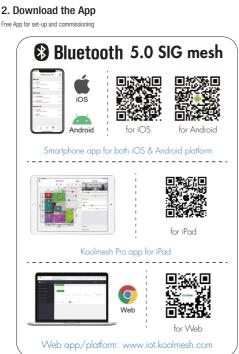
Bluetooth Receiver Node - DALI Version

HBTD8200D/F

1. Technical Specifications

Product type Mains voltage 220−240VAC 50/60Hz Rated load Max.100mA, 50 devices Stand-by power 0,05W Operation frequency 2.4 GHz - 2.483 GHz Transmission power Range (Typical) 10 − 30tm Protocol Operation temperature Case temperature (Max.) Storage temperature Max. relative humidity Prating Impulse withstand voltage Duty type Insulation material Glow wire Ievel 3, 850°C Protection Built-in protection provide Insulation Class II EMC standard (EMC) Safety standard (LVD) Radio Equipment (RED) EN300 328, EN301489-11, EN301489-17, EN62479 EN5050 SUSA GROWN EN504074 SOR GROWN Ava. 100 Files in mount) Ava. 100 Files in mount, in mount in			
Rated load	Product type	S Bluetooth® DALI Digitial Receiver Node (Flush mount)	
Stand-by power	Mains voltage	220~240VAC 50/60Hz	
Operation frequency 2.4 GHz - 2.483 GHz Transmission power 4 dBm Range (Typical) 10 − 30m Protocol € Seurodath 5.0 SIG Mesh Operation temperature Ta: -20°C − +45°C Case temperature (Max.) Tc: +75°C Storage temperature -20°C − +60°C Max. relative humidity 20 − 90% IP rating IP20 Impulse withstand voltage 2.5kV Duty type S1 Insulation material PTI material group Ilia Glow wire level 3, 850°C Protection Built-in protection provide Insulation Class II EMC standard (EMC) EN55015, EN61547, EN61000-3-2, EN61000-3-3 EN6 61058-1, EN 61058-1, EN 61058-1, EC 61058-1.2 EN 61058-1-2, ASANZS 61058.1	Rated load	Max.100mA, 50 devices	
Transmission power 4 dBm Range (Typical) 10 ~ 30m Protocol € Belevote* 5.0. SIG Mesh Operation temperature Ta: ~20°C ~ +45°C Case temperature (Max.) Tc: +75°C Storage temperature 20°C ~ +60°C Max. relative humidity 20 ~ 90% IP rating IP20 Impulse withstand voltage 2.5KV Dutly type S1 Insulation material PTII material group Illa Glow wire level 3, 850°C Protection Bullt-in protection provide Insulation Class III EMC standard (EMC) EN55015, EN61547, EN61000-3-2, EN61000-3-3 EFC 61058-1, EN 61058-1, EC 61058-1, EC 61058-1-2 EN 61058-1-2, AS/NZS 61058.1	Stand-by power	<0.5W	
Range (Typical) 10 ~ 30m Protocol € Buetooth '5.0 SIG Mesh Operation temperature Ta: -20°C ~ +45°C Case temperature (Max.) Tc: +75°C Storage temperature -20°C ~ +60°C Max. relative humidity IP20 Impulse withstand voltage 2.5kV Duty type S1 Insulation material PTI material group Illa Glow wire level 3, 850°C Protection Bullt-in protection provide Insulation Class II EMC standard (EMC) EN55015, EN61547, EN61000-3-2, EN61000-3-3 Safety standard (LVD) IFC 61058-1, EN 61058-1, EC 61058-1-2 EN 61058-1-2, AS/NZS 61058.1	Operation frequency	2.4 GHz - 2.483 GHz	
Protocol Q Buetooth 5.0 SIG Mesh	Transmission power	4 dBm	
Operation temperature Ta: -20°C − +45°C Case temperature (Max.) Tc: +75°C Storage temperature -20°C − +60°C Max. relative humidity 20 − 90% Preting P20 Impulse withstand voltage 2.5KV Duty type S1 Insulation material PTI material group Illa Glow wire level 3, 850°C Protection Built-in protection provide Insulation Class II EMC standard (EMC) EN55015, EN61547, EN61000-3-2, EN61000-3-3 EN 6 61058-1, EN 61058-1, EN 61058-1, EN 61058-1.2 EN 61058-1-2, AS/NZS 61058.1	Range (Typical)	10 ~ 30m	
Case temperature (Max.) Tc: +75°C Storage temperature -20°C - +60°C Max. relative humidity 20 - 90% IP rating IP20 Impulse withstand voltage 2.5KV Duty type S1 Insulation material PTI material group IIIa Glow wire level 3, 850°C Protection Bull-in protection provide Insulation Class II EMC standard (EMC) EN55015, EN61547, EN61000-3-2, EN61000-3-3 EEG 61058-1, EN 61058-1, IEC 61058-1-2 EN 61058-1-2, AS/NZS 61058.1	Protocol	Bluetooth* 5.0 SIG Mesh	
Storage temperature	Operation temperature	Ta: -20°C ~ +45°C	
Max. relative humidity 20 ~ 90% IP rating IP20 Impulse withstand voltage 2.5KV Duty type S1 Insulation material PTI material group IIIa Glow wire level 3, 850°C Protection Built-in protection provide Insulation Class II EMC standard (EMC) EN55015, EN61547, EN61000-3-2, EN61000-3-3 Safety standard (LVD) IFC 61058-1, EN 61058-1, IEC 61058-1.2 EN 61058-1-2, AS/NZS 61058.1 EN 61058-1-2	Case temperature (Max.)	Tc: +75°C	
P rating	Storage temperature	-20°C ~ +60°C	
Impulse withstand voltage	Max. relative humidity	20 ~ 90%	
Duty type S1 Insulation material PTI material group IIIa Glow wire level 3, 850°C Protection Bullt-in protection provide Insulation Class II EMC standard (EMC) EN55015, EN61547, EN61000-3-2, EN61000-3-3 Safety standard (LVD) IEC 61058-1, EN 61058-1, IEC 61058-1-2 EN 61058-1-2 EN 61058-1-2 EN 61058-1-2	IP rating	IP20	
PTI material group Illa	Impulse withstand voltage	2.5KV	
Glow wire Level 3, 850°C	Duty type	S1	
Protection Built-in protection provide Insulation Class II EMC standard (EMC) EN55015, EN61547, EN61000-3-2, EN61000-3-3 Safety standard (LVD) IEC 61058-1, EN 61058-1, IEC 61058-1-2 EN 61058-1-2, AS/AVZS 61058.1	Insulation material	PTI material group Illa	
Insulation Class EMC standard (EMC) EN55015, EN61547, EN61000-3-2, EN61000-3-3	Glow wire	level 3, 850°C	
EMC standard (EMC) EN55015, EN61547, EN61000-3-2, EN61000-3-3 Safety standard (LVD) IEC 61058-1, EN 61058-1, IEC 61058-1-2 EN 61058-1-2, AS/NZS 61058.1	Protection	Built-in protection provide	
Safety standard (LVD) IEC 61058-1, EN 61058-1, IEC 61058-1-2 EN 61058-1-2, AS/NZS 61058.1	Insulation	Class II	
EN 61058-1-2, AS/NZS 61058.1	EMC standard (EMC)	EN55015, EN61547, EN61000-3-2, EN61000-3-3	
Radio Equipment (RED) EN300 328, EN301489-1, EN301489-17, EN62479	Safety standard (LVD)		
	Radio Equipment (RED)	EN300 328, EN301489-1, EN301489-17, EN62479	

2. Download the App



3. Dimming Interface Operation Notes

Switch-Dim

The provided Switch-Dim interface allows for a simple dimming method using commercially available non-latching (momentary) wall switches. Detailed Push switch configurations can be set on Koolmesh app.

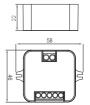
Switch Function	Action	Descriptions	
	Short press (<1 second) * Short press has to be longer than 0.1s, or it will be invalid.	- Turn on/off - Recall a scene - Turn on only - Exit manual mode - Turn off only - Do nothing	
Push switch	Double push	- Turn on only - Exit manual mode - Turn off only - Do nothing - Recall a scene	
	Long press (≥1 second)	- Dimming - Colour tuning - Do nothing	
Simulate sensor	/	Upgrade a normal on/off motion sensor to a Bluetooth controlled motion sensor	

4. Installation

⚠ Warnings:

- 1. Installation must be carried out by a qualified engineer in accordance with local regulations.
- 2. Disconnect power supply before installing.
- 3. Ensure environmental conditions are suitable for electronic equipment.





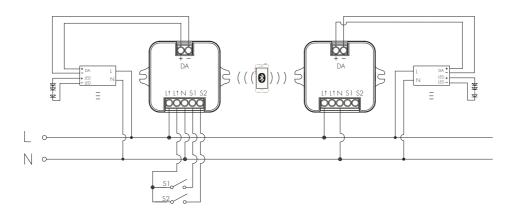
Wire Preparation











5. Additional Information / Documents

- 1.To learn more about detailed product features/functions, please refer to www.hytronik.com/download ->knowledge ->Introduction of App Scenes and Product Functions
- 2. Regarding precautions for Bluetooth product installation and operation, please kindly refer to www.hytronik.com/download ->knowledge ->Bluetooth Products Precautions for Product Installation and Operation
- 3. Data sheet is subject to change without notice. Please always refer to the most recent release on www.hytronik.com/products/bluetooth technology ->Bluetooth Sensor ->Receiver Nodes
- 4. Regarding Hytronik standard guarantee policy, please refer to www.hytronik.com/download ->knowledge ->Hytronik Standard Guarantee Policy

