

FAST COMPARISON Dynalite vs. SBUS

Sept. 2016

Category	Discription	Philips-Dynalite	SmartGroup-sBUS
General	Company Original Nationality	Australia	USA
	Technology	Dynet/Dali	SBUS/Swave
	Protocol	Proprietary	Open
	Source	Closed	Open
	Topology	Daisy	Star, Daisy, Grid, Mesh
	Accepts wired and Wireless links	No	Yes
	Require End of Line Terminator	Yes	No
	Distributed Intelligence	Yes	Yes
	Configuration Software	Envision editor	Smart Cloud
	Manual Non PC Configuration on site	No	Yes
	Cable Length Max	1 KM	2.3 KM
	Number of Devices Per Loop	64	64009
	Encryption	8 Bit	64 Bit
	Operating System Voltage	12V	24V
	Tolerance	9V-14V	8V-42V
	Reverse Polarity Protecion	No	Yes
	Over Heat Protection	Yes	Yes
	Overload Protection	Yes	Yes
	Voltage in Data Protection (Mistake)	No	Yes
	Short Circuit Protection	Yes	Yes
	Time Needed to Scan 200 Devices	More than 10 Minutes	Less that 50 Seconds
Bridges	Programing Simplicity	Difficult	Easy
	KNX Bridge	Yes	Yes
	ELAN bridge	No	Yes
	RS-232 Bridge	Yes	Yes
	RS-485 Bridge	Yes	Yes
	DMX Bridge	Yes	Yes
	UPB / PLC Bridge	No	Yes
	Apple Home Kit Bridge	No	Yes
	Voice Command Control	No	Yes
	Ethernet Bridge	Yes	Yes
	USB Direct Bridge (Windows, Linux, Android)	No	Yes
	BacNet Bridge	Yes	ODBC
	Modbus Bridge	No	Yes
	LON Works Bridge	Yes	No
	DALI Bridge	Yes	No
	Analogue I/O	Yes	Yes
	Coolmaster VRF/VRV Bridge	No	Yes
	Control4 Bridge	No	Yes
	RTI Bridge	No	Yes
	Crestron Driver	No	Yes

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User Interface	Dynamic Labeling Panels	since 2015	since 2007
	Color Touch Panels	No	Since 2012
	Color Touch Screen	No	iPad with inwall flush box
	Button Switches	Yes	Yes
	Slider Switches	Yes	Yes
	Changible Fascia	Yes	Yes
	Engraveable Baklet Buttons	Yes	Yes
	LED Surround	Yes	Yes
	Buit in Top Panels Occupancy Sensors	Yes	Yes
	Buit in Top Panels Lux Sensors	Yes	Yes
	Buit in Top Panels Temperature Sensors	Yes	Yes
	Buit in Top Panels Sound Sensors	No	Yes
	Buit in Top Panels IR Receiver	Yes	Yes
	Buit in Top Panels IR Emitter	No	No
	Back Let Labels Panels	No	Yes
	Touch Button Panels with Multi color LED	Yes	Yes
	Dynamic Color Labeling Panel	No	Yes
	Economy Momentary Mech. Panels	No	Yes
Sensors & Meters	Multi functional Sensor	3in1	9in1
	Ultrasonic	Yes	Yes
	PIR	Yes	Yes
	Noise Level	No	Yes
	People Counter	No	Yes
	Microwave	No	Yes
	Lux Sensor	Yes	Yes
	Ambient Temperature Sensor	Yes	Yes
	Dry Contact Input	Yes	Yes
	Octopus Bed Sensor	No	Yes
	Water Flow Sensor	No	Yes
	Water Leak Detector	No	Yes
	External Temperature (water, Sauna, Yard..) Module	No	Yes
	Impulse Metering (Water, Gas, Elect, BTU)	No	Yes
	Power Metering	No	Yes
rollers	High Power Relay Modules	Yes	Yes
	Meduim Power Relay Module	Yes	Yes
	Economy Low Power Relay Module	Yes	Yes
	Mini Relay Insert Modules	No	Yes
	Switched Load Relay Module	Yes	Yes
	Dimmer High Load Modules	Yes	Yes
	Dimmer Meduim Load Modules	Yes	Yes
	Dimmer Low Load Modules	Yes	Yes
	Mini Dimmer Insert Modules	No	Yes
	Mixed Control Module (Hotel)	Yes	Yes
	0-10V DB DIN Control Module	Yes	Yes

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Contr	Economy 0-10V Single Floating Module	No	Yes
	LED Flicker Suppressor	Yes	Yes
	Multi Porpose Controller	Yes	Yes
	HVAC control Module	Yes	Yes
	Ceiling Fan Speed Control Module	No	Yes
	IR Emitter Module	Yes	Yes
	IR MACRO control Module	No	Yes
	Time Clock Module	Yes	Yes
	Logic and Sequence Module	Yes	Yes
	Access Control	No	Yes
Hotelier	Hotel Bell with Service and Card Reader	No	Yes
	Hotel Key Card Holder	Yes	Yes
	Hotel Occupancy Power Saving I/O	No	Yes
	Bedside Controllers	No	Yes
	VIP Service Request Panel	No	Yes
	Moonlighting Control	No	Yes
	Energy and Water Budget Control	No	Yes
Media AV	Timed Change Temperature and Lock Min Set Points	No	Yes
	Audio Controllers Streamers & Amplifiers	No	Yes
	Bluetooth Comaptibility	No	Yes
	Chromecast Compatibility	No	Yes
	SD/USB readers	No	Yes
	PA and Evacuation Auto Detect	No	Yes
	Automatic Prayer Announcement	No	Yes
	Multi- Zone Audio	No	Yes
	Speaker Zone Selector with Impedience Matching	No	Yes
	Media Home Video Streaming VOD	No	Yes
Hospital	On TV Control	No	Yes
	Signage Board Control System	No	Yes
	Inpatient Nurse Call Station	No	Yes
	Inpatient Room Nurse call & Display Status	No	Yes
Software	Outpatient Dr.Que Display	No	Yes
	outpatient Status Control Panel	No	Yes
	Configuration Software	Yes	Yes
	Control Software	Yes	Yes
	Free Applications for IOS	Yes	Yes
	Free Applications for Android	Yes	Yes
	Hotel user Software Modules (Service, Security, Card Management,..)	No	Yes
	Energy Calculation and Monitoring Software	No	Yes
	Free DLL and SDK	No	Yes
	Free Simulators	No	Yes
	Open Protocol Documents and sources	No	Yes