



Baulogic B1

The B1 is the main controller of the Baulogic system and much more. Installed discreetly in every property it provides controls to heating and lighting as well as door intercom and security cameras.

Wide-ranging smart features can be added to extend cover to the whole home or according to individual homeowners requirements.

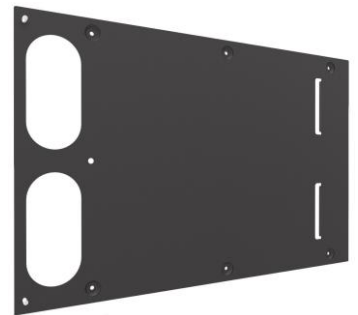
Deigned to operate in homes with or without network access, when connected it can be controlled by the Baulogic app, giving remote access to the key features of the system.

It provides a secure internal PoE network for to up to 4 network devices including touch screen, door intercom, and cctv cameras.

It powers and manages 8 dimmable lighting circuits and 4 relay(on/off) circuits, and can be easily extended with additional lighting extension boxes to cover the largest of houses. These simply stack under the main box.

And by adding a box to control your central heating or underfloor manifold, you can control all aspects of your home in 1 box.

It uses the globally recognised KNX protocol to control the systems with switches and sensors or use volt free inputs to be alerted from your own smoke or intruder alarm.



The backplate can be delivered at first fix allowing it to be fixed securely to a suitable wall for easy routing of cables and subsequent connection of main box



The connector pack contains all the necessary

Technical Specifications

Main Box	
Model Details	
Product Name	Baulogic B1
Product Reference	B1MA
Mains input (overall box tech stuff)	
Dimensions (H x W x D)	396 x 605 x 111
Weight	6kg
Input Voltage	230V
Required input protection	RCD 30ma
IP rating	IP20
Ports	5 x RJ45, 1 x USB A (Servicing), 1 x Power in, 12 x Lighting out, 4 x VF, KNX block.
Fuses and breakers	1 x fuse, 2 x temperature breakers
8 channels of dimmable lighting	
Number of circuits	8
Lamp Types	Incandescent, low-voltage and high-voltage halogen and dimmable energy saving lamps and LED
Lamp load	
Incandescent/halogen lamp	200W
LED lamp: Trailing edge (RC-mode) 200	200W
LED lamp: Leading edge (L-mode)	22W
Energy saving lamps: Trailing edge (RC-mode)	200W
Energy saving lamps: Leading edge (L-mode)	22W
Switching Capacity	min 2W
Max cable length	100m
4 channels of on/off Lighting	
Number of circuits	4
Contact type	Potential free outputs through bi-stable relays with tungsten pre-contact.
Disconnection type	Micro-disconnection
Rated current by output	16(6)A * 250V AC (4000 VA) 16(6)A * 30V DC (480W)
Maximum inrush current	800A/200µs (fluorescent lamps), 165A/20ms (resistive lamps)
Total max current in device	40A
Max Power – Resistive Load	4000W
Max Power – Inductive Load	1500VA
Expected Life – Mechanical	3 million operations (60cpm)
Expected Life – Electrical	100.000 cycles (6cpm with resistive load)
5 volt free inputs	
Input voltage	+3.3V DC for the common
Input current	1.0mA @ 3.3V DC (each input)
Input impedance	Approx. 3.3kohm
Switching type	Dry voltage contacts between input and common
Max. cable length	30 m.
Network connectivity	
Power over Ethernet network ports	4 * 10/100Mbps PoE ports (1 allocated for common services in apartment configuration)
Broadband connection port	1 * 10/100Mbps port
PoE Power	Total 1s60W (Up to 30W per port)
PoE Protocol	IEEE802.3af (PoE), IEEE802.3at (PoE+), Hi-PoE
Switching Capability	1.8G
Forwarding Rate	890 kpps
Buffer memory packet	768Kb.
MAC Table Size	2K
Flow Control	Enabled
Humidity	10 - 90%
Power	DC48-57V.
Lightning Protection	Common Mode 2KV; Differential Mode 0.5KV.
KNX	
Power consumption on bus	640ma
Box device allocation	2
Max additional devices	62
Wiring Topology	Radial or Star (not loop)

More info?

For more information about the Baulogic B1 and other smart home solutions please **got** to baulogic.com/product-catalogue



For installation help, please see baulogic.com/faqs



Do you have any other questions. We are always happy to help at hello@baulogic.com

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