

RATIO



Intelligent, Architectural
Scene Control

RATIO single room solution

RATIO, a balance of 3's. Easy to use, easy to install and easy to program. All from just 3 simple components.

Gone are the days of needing a large unattractive panel on the wall in order to have multiple dimming options for your standalone conference rooms, training rooms or event areas

RATIO uses the DALI2 standard which allows each individual fixture to be addressable. You can now easily group fixtures regardless of type and regardless of how they are powered and create up to 16 unique dimming scenes.

The free RATIO app for iOS and Android has a simple and intuitive design and can be used for both control and commissioning.





RATIO activates and controls multiple groups and scenes using ANY momentary push button or toggle wall switch. Choose from the elegance of Forbes & Lomax, Or go traditional with push button modern or standard paddle styles.



RATIO allows the architect, not the manufacturer to determine the look on the wall. Custom stations are also available in any material, finish and scene combinations .



RATIO single room solution

All DALI lighting groups, pushbutton interface(s) and all detectors (including secondaries) only require a single DALI circuit. This makes retrofitting in particular much easier.

The existing 2-wire wiring for pushbuttons or light switches can be used for the DALI bus for connecting the B.E.G. RATIO pushbutton module.



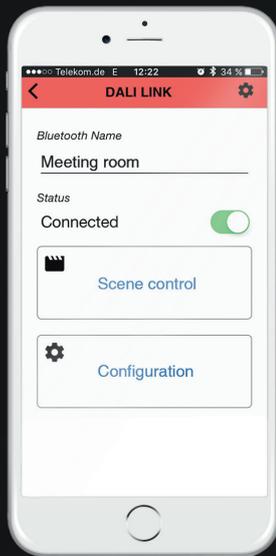
Conversion with existing wiring

With our unique push button module installed behind any momentary switch, wall stations

for scene selection can look exactly like the architect, interior designer or end user envisions.



Bluetooth app



Set up settings and scenes

- The B.E.G. Bluetooth app contains a protected area with which the installer can set up the RATIO component parameters.
- All devices and their options can automatically be polled and displayed in the app.
- Standard scenes can be used, or custom scenes applied.
- The lighting can be switched and dimmed as required and scenes can be activated.



Advantages of DALI single room installation



Controllable from any smartphone

Using the RATIO Bluetooth app, a user with a smartphone can control room lighting and scene selection individually.



Fixtures from any manufacturer

DALI evens the playing field allowing fixtures from any manufacturer to be intelligent, addressable fixtures.



Simple two wire bus

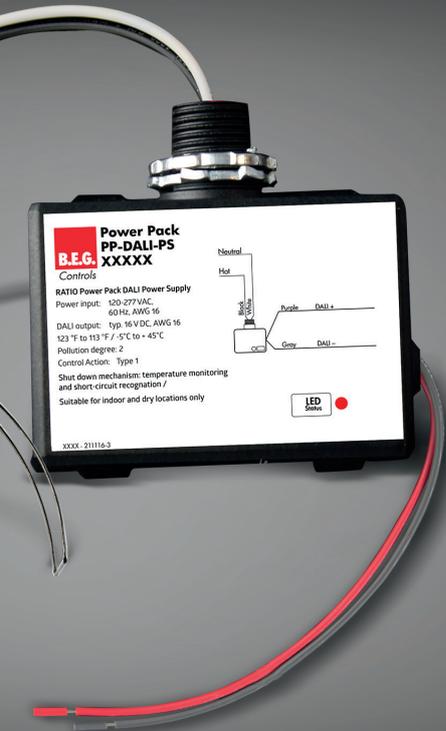
A simple two-wire bus, allows installers to daisy-chain both fixture and RATIO components in any order.



FLAT sensor

The remarkable FLAT sensor with a lens less than a millimeter thick, detects both motion and daylight. Multiple sensors can be added for maximum coverage.





Expandable

A maximum of 25 DALI lights and 6 control devices (multimasters or pushbutton interfaces) can be connected to the power supply. The number of usable devices can be doubled by using another RATIO power supply.



Orientation light

The “orientation light” function can be activated, and operates after the follow-up time previously configured. It limits the maximum dimming level of connected lights to an adjustable value. This means that safety-relevant areas are never completely dark, but energy is still saved compared to full illumination.



4 pushbutton inputs

All pushbutton inputs can be freely configured to control lighting groups or access scenes.



Lighting scenes

Up to 16 lighting scenes can be programmed. The scenes can be accessed by a pushbutton or via the RATIO Bluetooth app.

RATIO components



RATIO Bluetooth pushbutton interface

- Setup via B.E.G. BLE app
- Voltage: 16 VDC DALI-BUS
- Cable length: max. 19.7 inch / 50 cm
- Time setting: 1 min - 150 min, only in stairway mode
- Can be combined with all 4-way switch surfaces from major manufacturers



RATIO multisensor FLAT

- Setup via B.E.G. BLE app
- Detection area: vertical, 360°
- Voltage: 16 VDC DALI BUS
- Range: max. Ø 30 ft / 9 m across, max. Ø 20 ft / 6 m towards, max. Ø 10 ft / 3 m small movements/seated activity



As well as the FLAT, there are other multisensors available for RATIO, with various mounting options.

RATIO components



RATIO Bluetooth app

- The B.E.G. Bluetooth app is available free of charge in the relevant app stores.
- Programming can be carried out direct from your smartphone, with no additional devices
- Smartphone not included



RATIO Power supply

- Voltage: 120 - 277 V AC
- Dimensions: 3.35 x 3.27 x 1.50 inch
86 x 83 x 38 mm
- Short circuit detection and overheat protection

Elegant and
unobtrusive
“

B.E.G.
Controls



B.E.G. Controls

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