

Output Module 4 x 20 Amp



BH8-RE20A4-230



- 4-channel receiver**
- Relay load: 20 A**
- Module load: 80 A (20 A per relay)**
- Galvanically separated SPST relay outputs**
- H8-housing**
- For mounting on DIN-rail (EN 50022)**
- LED-indications for supply, smart-house carrier and outputs**
- AC power supply**
- Address coding by BGP-COD-BAT**
- Manual override of the channels on the front of the module**

OUTPUT SPECIFICATIONS

Outputs	4 SPST relays
Contact ratings (AgSnO2)	μ (micro gap)
Resistive loads	AC1 20 A
In-rush current	120 A (20 msec.)
Max. switching voltage	440 VAC
Max. switching power	10 kVA
Capacitive load	≤ 200 μF
Lamp load	≤ 4800 W
Switching operations	≥ 60000 operations
Minimum load	100 mA/12 V
Max. Switching Frequency	2 Hz
Response time	≤ 1 pulse train

SUPPLY SPECIFICATIONS

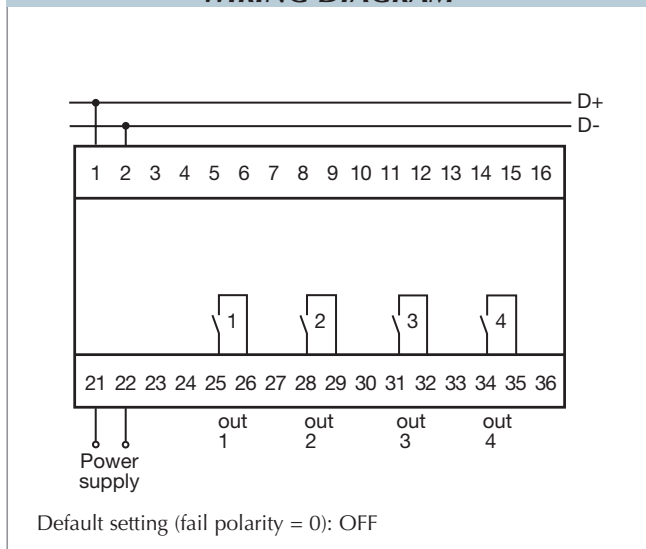
Power Supply	Overvoltage cat. III (IEC 60664)
Rated operational voltage	230 VAC, +/- 10% (IEC 60038)
Through term. 21 & 22	45 to 65 Hz
Frequency	Typ. 2,5 VA
Rated operational power	7 W
Max. power dissipation	230 4 kV
Rated impulse withstand volt.	
Dielectric voltage	
Supply – smart-house	≥ 4 kVAC (rms)
Supply – Outputs	≥ 4 kVAC (rms)
Outputs – smart-house	≥ 4 kVAC (rms)

GENERAL SPECIFICATIONS

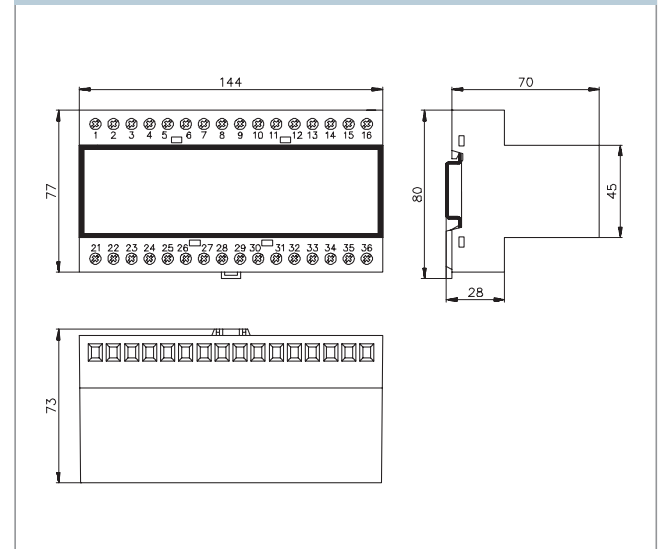
Fail polarity state delay	Upon loss of smart-house carrier	≤ 20 ms
Power ON delay		typ. 2s
Indication for:		
Supply ON	LED, Green	
smart-house carrier	LED, Yellow	
Output ON	LED, Red (one per output)	
Environment		
Degree of protection	IP 20	
Pollution degree	3 (IEC 60664)	

Operating temperature	-5 to +50°C (+23° to +122°F)
Storage temperature	-50 to +85°C (-58° to +185°F)
Humidity (non-condensing)	20 to 80%
Mechanical resistance	
Shock	5 G (11ms)
Vibration	2 G (6 to 55Hz)
Housing	H8-housing
Weight	500 g

WIRING DIAGRAM



DIMENSIONS



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MODE OF OPERATION

4-channel receiver with 4 normally open contact outputs. Each output is individually coded by means of the code programmer BGP-COD-BAT. For changing the default setting, please refer to the datasheet on BGP-COD-BAT.

The outputs are normally OFF. When a transmitter coded to the selected channel is activated, the

output turns ON and remains ON until the respective channel becomes deactivated. The default setting is such that upon loss of smart-house carrier all the outputs go OFF. If fail polarity is set to 1, the relays will go on upon loss of carrier.

On the front of the module, it is possible mechanical to override each relay. The LED's will

not follow manual override. The manual override will be reset if smart-house or power is put off and on in min. 10 sec. Each relay is labled so it is possible to see the relays actual status.

Note: At delivery some of the relays might be ON due to transportation bumps. To be sure that the relays are OFF, connect the

module to power and smart-house and transmit on channels A1-4 once.

Note: Due to the construction with bistable relays, the module is intended for heating and light control only.

TYPE SELECTION

Supply
230 VAC

Ordering no.
BH8-RE20A4-230

ACCESSORIES

DIN-rail

FMD 411