

MODULE FOR ROOM SERVICE & ACQUIRING ALARM CALLS



USZ 331 C3 Eng.

- 4 inputs for:
 - room occupied
 - call for service
 - emergency call
 - fire outbreak detector
- One relay output for control lights and/or switching on heating
- One triac output for turning on DHW
- COSTER-BUS connection to UMA 734 central unit
- Power supply 24 V~; DIN rail mounting



1. APPLICATION

USZ 331 module is designed for use in hotels and guest houses in order to activate room services(heating, DHW, lights, etc) and to signal to UMA 734 central unit/local PC the presence of persons in the room, service and emergency calls and warning of fire outbreak. **NB: USZ 331 is not suitable for use in fire protection system.**

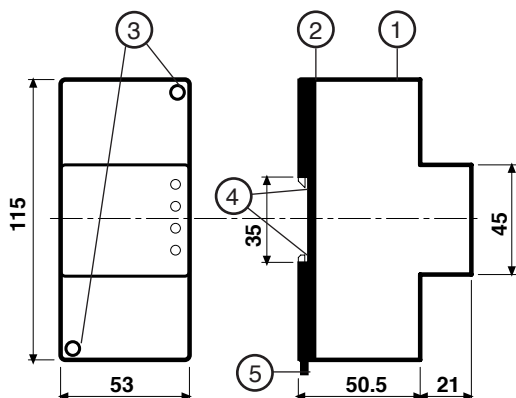
2. OPERATION

USZ 331 module permits the following operations:

- using N.O. switch **k1** :
 - signalling the presence of persons in the room;
 - switching on lights (**W1**) and heating (**W1** as window switch for RTB... controllers);
 - turning on DHW (**Y**) ;
- using switch **k2** to signal service calls;
- using panic button **k3** to signal emergency calls;
- using smoke detector RFI 309 (**B1**) to signal a fire outbreak.

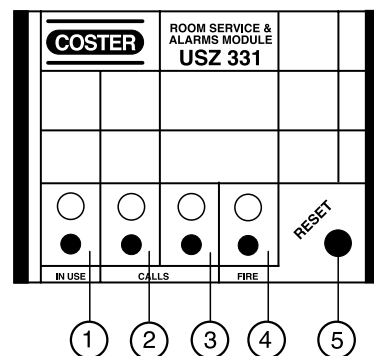
By means of the Coster-Bus connection USZ 331 can be connected to a UMA central display unit; this permits connecting up to 239 modules. Each module has to be "addressed" by means of an identification number (from 1 to 239) in order to be recognised by the system..

3. OVERALL DIMENSIONS



- 1 – Protective cover for electronic components
- 2 – Base with transformer, relay and terminal blocks
- 3 – Screws for securing cover to base
- 4 – DIN rail securing elements
- 5 – DIN rail release lever

4. FRONT PANEL



- 1 – Presence persons ("in use") LED
- 2 – Service call LED
- 3 – Emergency call LED
- 4 – Smoke detector alarm LED
- 5 – Reset button

5. ACCESSORIES

No.	Description	Type	Code	Data sheet
1	Jack for activation services on occupation of room	Vimar Gewiss Living Living International	COS 020/V COS 020/G COS 020/L COS 020/LI	– – – –
1	Photoelectric smoke sensor	Living Light	COS 020/LG RFI 309	– B1

6. TECHNICAL DATA

• Electrical

Power supply 24 V~ ± 10%
 Frequency 50...60Hz
 Consumption 2 VA
 Protection IP40
 Electromagnetic compatibility CEE93/68
 Construction standards Italian Electrotech. Committee CEI

Single switch for lights and/or heating:

Maximum switching voltage 250 V~
 Maximum switching current 5 (3) A

Triac SPDT switch for DHW:

Output voltage 24 V~
 Maximum power 7 W

• Mechanical

Enclosure DIN 3E module
 Materials: NYLON
 Base ABS
 Cover ABS

Ambient temperature:

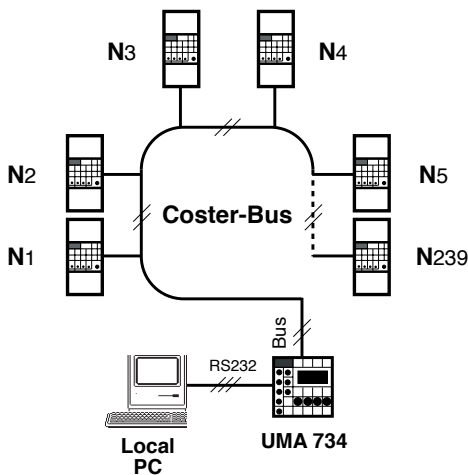
Operating 0...45 °C
 Storage - 25...+ 60 °C

Ambient humidity Class F (DIN 40040)

Protection IP 40

Weight 300 g

8. OPERATING DIAGRAM



N1...N239 – USZ 331 remote units

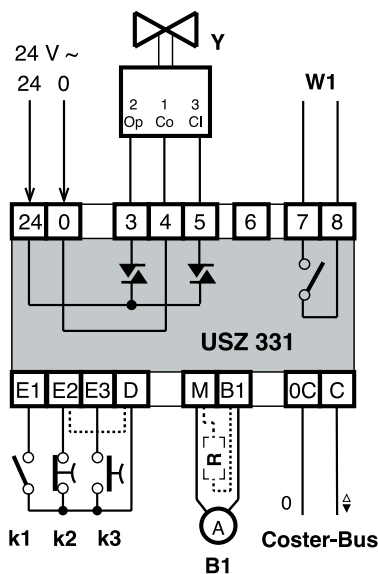
10. WIRING

You are advised not to insert more than two cables in a single terminal of the module and, if necessary, to use a junction box.

- Power supply 24 Volt ~: 1.5 mm² cables.
- Power supply valve actuator: 1.5 mm² cables
- Connection detector: 1 mm² minimum cables.
- Connection C-Bus: Twin-core cable (different colours) 1mm²

Important: Make absolutely sure that Coster-Bus polarity is correct

7. WIRING DIAGRAM

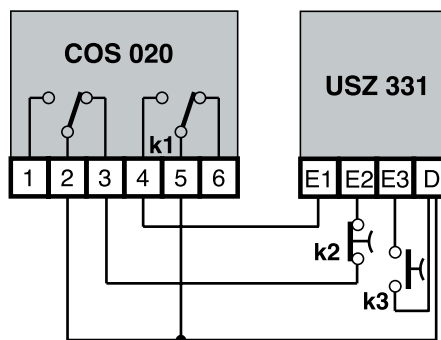


- B1 – RFI 309 fire outbreak detector
- k1 – Room occupied switch
- k2 – Service call switch
- k3 – Emergency call switch
- W1 – Control lights and/or heating relay
- Y – DHW shut-off valve

Factory settings

- 1) E2-D are short-circuited: if k2 used, remove the jumper.
- 2) B1-M is connected to a resistance R (1KΩ): if smoke detector used, remove the resistance.

Connections with COS 020

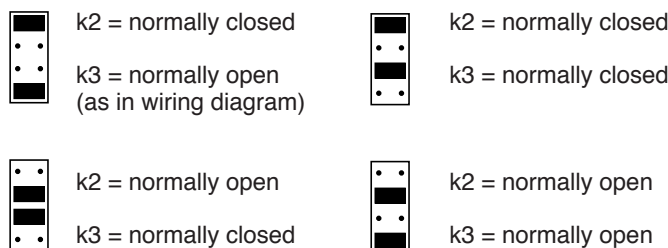


- ⊗ Hotel guest jack inserted = 4-5 closed, 2-3 closed
- ⊗ Service jack inserted = 4-5 closed, 2-3 open

9. PROGRAMMING SWITCHES K2 AND K3

The factory setting of switches k2 and k3 can be changed to adapt to special requirements. The desired configuration can be set by means of jumpers positioned on the soldered side of the printed circuit visible on the back of the cover.

Factory setting



MC 03.98 Rev. : MC 08.06.00 ;MC 27.07.00 ; MC 28.01.02 ; LB 26.07.02; MZ 03.02.03



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