

Installation of the control unit for the smoke function TBLZ-2-48-1 GOLD/COMPACT

1. General

The control unit for the smoke function is mounted on the DIN-rail. Necessary wiring terminals are provided for connection to external components.

The enclosure with DIN-rail (part number TBLZ-1-73-1) is available as an accessory. The enclosure has a rating of IP65 and is equipped with knock-out cable entries. Outer dimensions: 266 x 200 x 105 mm.

2. Application area

The control unit is used together with smoke detectors TBLZ-2-49-a, see separate Installation instructions.

3. Function control unit smoke

The control unit is designed to comply with the provisions made upon reliable fire protection together with our smoke detectors. Equipped with relay contacts for forwarding alarms to the air handling unit. Besides smoke alarms, the control unit is equipped with a service alarm and error alarm relays.

In the event of a smoke alarm, a red LED lights and the alarm relays trip at the same time.

In the event of a service alarm on the smoke detector, the LED for the service alarm flashes quickly for 1 minute. Then the service alarm relay is active and the LED lights continuously. If the service alarm on the detector resets, the relay trips and the LED starts to flash slowly: alarm memory.

In the event of short circuiting or an open circuit, the yellow LED lights and the fault alarm and smoke alarm relays trip (open circuit, about 10 seconds delay). If a short-circuit or open-circuit resets, the relays are activated and each LED starts to flash slowly: alarm memory.

Testing the relays: press and hold the reset button for 5 seconds.

4. Installation

The control unit is mounted on the DIN-rail.

5. Technical data

Supply voltage	24V AC, 50-60Hz
Power consumption (control unit)	1.8VA
Enclosure class	IP 20
Ambient temperature	0-50°C
Dimensions (W x H x D)	52.5 x 86 x 59 mm
Weight	150 g

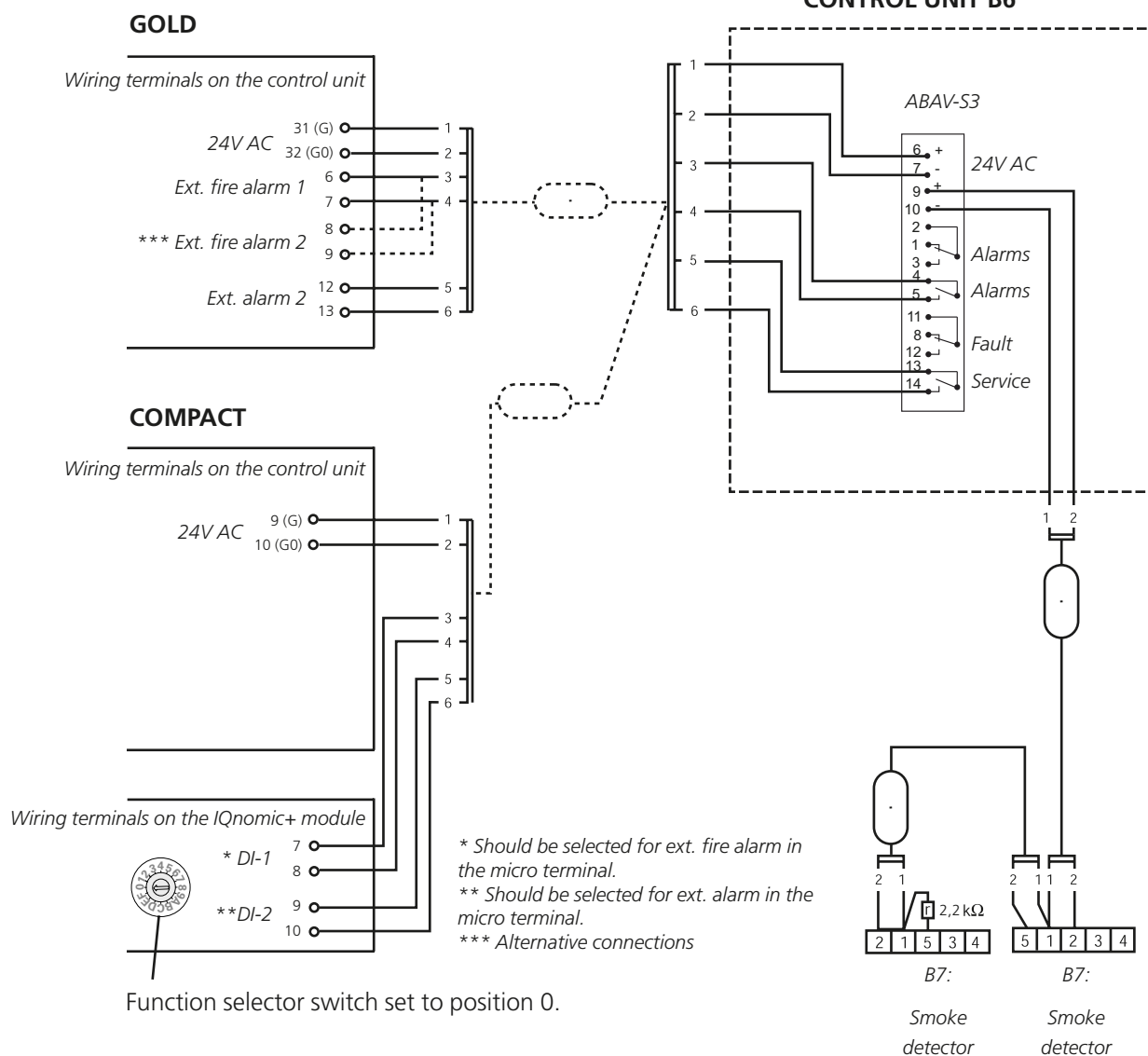


6. Electrical connections

The electrical connections should be wired by a qualified electrician in accordance with local electrical safety regulations.

GOLD, COMPACT

SMOKE FUNCTION



Function:

If the smoke detector B7 in the duct trips, the alarm is forwarded, via the control unit B6, to GOLD/COMPACT, external fire alarm.

When the smoke detectors become dirty a service alarm occurs in control unit B6 and is forwarded to GOLD/COMPACT via the external alarm 2.

Alarms can be reset on the control unit B6 and on the air handling unit's hand-held terminal.

In the event of more smoke detectors being connected, these must be connected in series (terminating resistor only installed on the last smoke detector).