

PAVIRO Router

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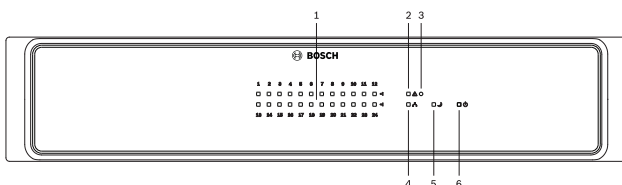
- ▶ Routing up to 24 zones from 2–500 Watt
- ▶ Low power consumption in standby mode
- ▶ Extreme flexibility
- ▶ Excellent sound quality > 103 dB s/n ratio

The PVA-4R24 24 Zone Router is a zone extension for the PAVIRO system. The PVA-4R24 adds 24 zones, 20 GPIs, 24 GPOs and 2 control relays to the system and is controlled and supervised via the CAN bus by the PVA-4CR12 (Controller). Up to 20 external routers can be connected to one controller. One router can handle up to 4000 W speaker load. The maximum load of one zone is 500 W.

The zone indicator lights on the front indicate the current status of every zone:

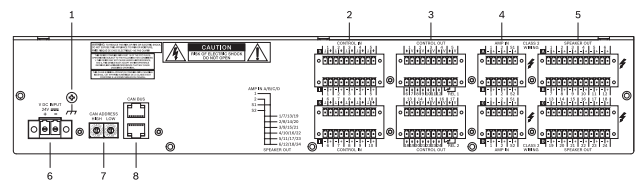
- Green: Zone in use for non emergency purpose
- Red: Zone in use for emergency purpose
- Yellow: Zone fault detected
- Off: Zone in idle condition

System overview



- 1 Zone status indicator light
- 2 General fault warning indicator light
- 3 Recessed button

- 4 Network indicator light
- 5 Standby indicator light
- 6 Power indicator light



- 1 Grounding screw
- 2 CONTROL IN ports
- 3 CONTROL OUT ports
- 4 AMP IN ports
- 5 SPEAKER OUT ports
- 6 DC power input
- 7 CAN ADDRESS selector switch
- 8 CAN BUS port

Certifications and approvals

- EN 50130-4

- EN 50581
- IEC 60065
- EN 60945
- EN 60950
- EN 61000-6-3

Parts included

Quantity	Component
1	PVA-4R24
1	Euroblock connector 2-pole (Phoenix, PC 5/2-STF-7,62, 1975697, F.01U.108.398) for 24 V DC
4	Euroblock connector 6-pole (Phoenix, MC 1,5/6-ST-3,81, 1827745, F.01U.104.179) for audio inputs
8	Euroblock connector 10-pole (Phoenix, MC 1,5/10-STF-3,81, 1827787, F.01U.301.445) for control inputs or outputs
4	Euroblock connector 12-pole (Phoenix, MC 1,5/12-STF-3,81, 1827800, F.01U.108.397) for audio outputs
4	Foot stand (self-adhesive)
1	Operation manual
1	Important safety instructions

Technical specifications

PVA-4R24 24 Zone Router	PAVIRO Router including routing and supervision
Audio inputs (100 V)	AMP IN: 4 × 6-pin port
• Max. voltage	120 V _{eff}
• Max. current	7.2 A
• Max. power	500 W
Audio outputs (100 V)	SPEAKER OUT: 4 × 12-pin port
• Max. voltage	120 V _{eff}
• Max. current	7.2 A
• Max. power	500 W
CONTROL IN	4 × 10-pin port
• Control inputs	<ul style="list-style-type: none"> • 10 supervised inputs (0–24 V, U_{max} = 32 V) • 10 isolated inputs (Low: U ≤ 5 V DC; High: U ≥ 10 V DC, U_{max} = 32 V)
CONTROL OUT	4 × 10-pin port
• Control outputs	24 Low Power outputs (open collector, U _{max} = 32 V, I _{max} = 40 mA)

• Control relay	2 (NO/NC relay contacts, U _{max} = 32 V, I _{max} = 1 A)
Interfaces	
• CAN BUS port	2 × RJ-45, 10 to 500 kbit/s (for controller, router, amplifier connection)
DC power input	21–32 V DC
Power consumption	5–60W
Maximum supply current	<ul style="list-style-type: none"> • Standby < 250 mA • Idle/Announcement/Alert < 800 mA
Operating temperature	-5 °C to 45 °C
Electromagnetic environment	E1, E2, E3
Product dimensions (Width × Height × Depth)	19", 2 HU, 483 × 88.2 × 391 mm
Net weight	8.2 kg
Shipping weight	9.7 kg

Ordering information

PAVIRO Router

Order number **PVA-4R24**

Represented by:

Americas:

Bosch Security Systems, Inc.
130 Perinton Parkway
Fairport, New York, 14450, USA
Phone: +1 800 289 0096
Fax: +1 585 223 9180
security.sales@us.bosch.com
www.boschsecurity.us

Europe, Middle East, Africa:

Bosch Security Systems B.V.
P.O. Box 80002
5617 BA Eindhoven, The Netherlands
Phone: + 31 40 2577 284
Fax: +31 40 2577 330
emea.securitysystems@bosch.com
www.boschsecurity.com

Asia-Pacific:

Robert Bosch (SEA) Pte Ltd, Security
Systems
11 Bishan Street 21
Singapore 573943
Phone: +65 6571 2808
Fax: +65 6571 2699
apr.securitysystems@bosch.com
www.boschsecurity.asia

China:

Bosch (Shanghai) Security Systems Ltd.
203 Building, No. 333 Fuquan Road
North IBP
Changning District, Shanghai
200335 China
Phone +86 21 22181111
Fax: +86 21 22182398
www.boschsecurity.com.cn

America Latina:

Robert Bosch Ltda Security Systems Division
Via Anhanguera, Km 98
CEP 13065-900
Campinas, Sao Paulo, Brazil
Phone: +55 19 2103 2860
Fax: +55 19 2103 2862
latam.boschsecurity@bosch.com
www.boschsecurity.com