BOSCH
Invented for life

MIC Series Power Supplies

- ▸ **Provide all connections for power, telemetry and video for the MIC series range of PTZ cameras.**
- ▸ **Weather-resistant, cast-aluminum IP65 enclosure.**
- ▸ **Weather-proof 1/2-in. NPT, M16, and M12 cable glands for connection of power, video, telemetry and ancillary equipment**
- ▸ **Integrated header for addition of ancillary cards such as the MIC alarm card, washer pump drive card or bi-phase converter card (non IR power supplies only)**
- ▸ **Integrated washer pump drive with test function (IR power supplies only)**
- ▸ **Integrated four-input alarm terminal (IR power supplies only)**
- ▸ **Ground isolation and termination to control video grounding and to prevent ground loops.**

A full range of MIC Series power supply units (PSUs) from Bosch Security Systems provide all connections for power, telemetry and video for the MIC series range of PTZ cameras. These PSUs ensure that MIC cameras can be installed in a variety of locations, including low voltage and mobile applications.

Each power supply has UL, CE, and FCC approval, is rated to IP65, and comes in a selection of input voltages with variants for MIC Series cameras with and without integrated Infrared illuminators. The PSU housing also has slots for optional cards, such as the 8-channel alarm card including washer pump drive. Certain PSUs have extra functionality built-in as standard.

Electromagnetic Compatibility (EMC)	Complies with FCC Part 15 and ICES-003 regulations
Product Safety	Complies with UL (UL 2044), CSA Standards (CSA Standard C22.2 No. 1-98), and CE
Environmental Protection	IP65

Installation/Configuration Notes
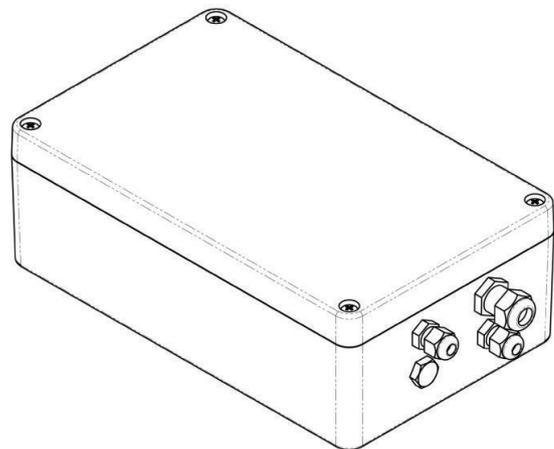
Power Supply Box – full view

Certifications and Approvals

Region	Certification	
Europe	CE	EC Declaration of Conformity
USA	UL	60950-1, 2nd Edition:2007
	FCC	CFR 47 FCC Part 15:2009 Class B
Canada	CSA	CAN/CSA-22.2-No. 60950-1-07
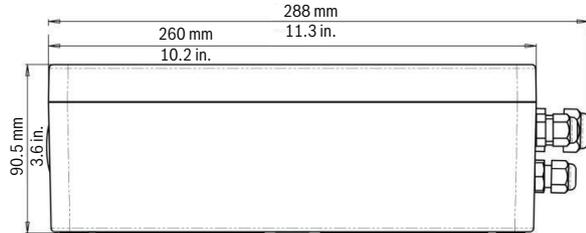
Power Supply Box – side view
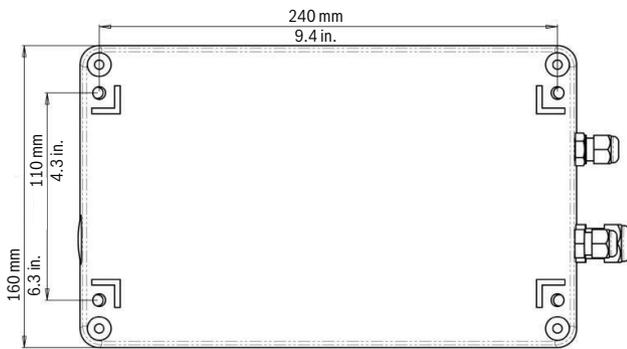
Power Supply Box – bottom view

Technical Specifications

Electrical

Model

MIC-24PSU-UL	Input: 24 VAC, 50/60 Hz, 1.4 A Output 1 (Camera): 18 VAC, 950 mA Output 2 (Heaters): 18V AC, 600 mA
MIC-IR-24PSU-UL	Input: 24 VAC, 50/60 Hz, 2.6 A Output 1 (Camera): 18 VAC. 950 mA Output 2 (IR Lamps): 0–26 VDC, 1 A
MIC-115PSU-UL	Input: 115 VAC, 50/60 Hz, 300 mA Output 1 (Camera): 18 VAC, 950 mA Output 2 (Heaters): 18 VAC, 600 mA
MIC-IR-115PSU-UL	Input: 115 VAC, 50/60 Hz, 600 mA Output 1 (Camera): 18 VAC, 950 mA Output 2 (IR Lamps): 0–26 VDC, 1 A

Model

MIC-240PSU-UL	Input: 230 VAC, 50/60 Hz, 150 mA Output 1 (Camera): 18 VAC, 950 mA Output 2 (Heaters): 18 VAC, 600 mA
MIC-IR-240PSU-UL	Input: 230 VAC, 50/60 Hz, 280 mA Output 1 (Camera): 18 VAC, 950 mA Output 2 (IR Lamps): 0–26 VDC, 1 A

Mechanical

Dimensions (H x W D)

• Enclosure	90.5 x 160 x 260 mm (3.6 x 6.3 x 10.2 in.)
• With glands	90.5 x 160 x 288 mm (3.6 x 6.3 x 11.3 in.)
Form Factor (four screw holes)	110 x 240 mm (4.3 x 9.4 in.)

Weight

• Standard	3.24 kg (7.14 lbs)
• Infrared Models	3.75 kg (8.27 lbs) approx.
Material	Powder-coated cast-aluminum, IP65
Color	RAL 9010 (Pure White)
Options	MIC-ALM 8-input alarm card MIC-WKT washer pump kit MIC-BP4 Bi-phase card

Environmental

Operating Temperature

• Non-IR power Supplies	−40° to +60℃ (−40° to +140℉)
• IR Power Supplies	−40° to +50℃ (−40° to +122℉)
Storage Temperature	−40° to +65℃ (−40° to +149℉)

Ordering Information

MIC-24PSU-UL 24 VAC Camera Power Supply 24 VAC, 50/60 Hz power supply for MIC Series cameras	**MIC-24PSU-UL**
MIC-IR-24PSU-UL 24 VAC Camera/IR Power Supply 24 VAC, 50/60 Hz power supply for MIC Series cameras with Infrared Illuminators	**MIC-IR-24PSU-UL**
MIC-115PSU-UL 115 VAC Camera Power Supply 115 VAC, 60 Hz power supply for MIC Series cameras	**MIC-115PSU-UL**
MIC-IR-115PSU-UL 115 VAC Camera/IR Power Supply 115 VAC, 60 Hz power supply for MIC Series cameras with Infrared Illuminators	**MIC-IR-115PSU-UL**
MIC-240PSU-UL 240 VAC Camera Power Supply 240 VAC, 50 Hz power supply for MIC Series cameras	**MIC-240PSU-UL**

Ordering Information

MIC-IR-240PSU-UL 240 VAC Camera/IR Power Supply 240 VAC, 50 Hz power supply for MIC Series cameras Infrared Illuminators	**MIC-IR-240PSU-UL**
UPA-2450-60 Power Supply 120 VAC, 60 Hz, 24 VAC, 50 VA Out	**UPA-2450-60**
UPA-2450-50 Power Supply 220 VAC, 50 Hz, 24 VAC, 50 VA Out	**UPA-2450-50**
Accessories	
MIC-ALM Alarm and Washer Pump Drive Card 8 Input alarm and washer pump drive card for PSU (Not for IR PSU)	**MIC-ALM**
MIC-BP3 Bi-phase Converter Biphase converter for IR power supplies or non-IR power supplies without a free expansion slot available	**MIC-BP3**
MIC-BP4 Biphase Converter BiPhase converter for non-IR versions of MIC series power supply units	**MIC-BP4**
MIC-WKT Washer Kit Washer kit for non infrared MIC models (includes washer pump drive card, washer nozzle and mounting brackets for wall and 4 in. PCD base)	**MIC-WKT**
MIC-WKT-IR Washer Kit Washer kit for infrared power supplies only (includes washer nozzle and mounting brackets for wall or 4 in. PCD base)	**MIC-WKT-IR**
MIC-2M-S 2 m Shielded Composite Cable Shielded Composite 2 m cable that provides power, telemetry and video connection from a MIC Series camera to a MIC Series power supply	**MIC-2M-S**
MIC-10M-S 10 m Shielded Composite Cable Shielded Composite 10 m cable that provides power, telemetry and video connection from a MIC Series camera to a MIC Series power supply	**MIC-10M-S**
MIC-20M-S 20 m Shielded Composite Cable Shielded Composite 20 m cable that provides power, telemetry and video connection from a MIC Series camera to a MIC Series power supply	**MIC-20M-S**
MIC-25M-S 25 m Shielded Composite Cable Shielded Composite 25 m cable that provides power, telemetry and video connection from a MIC Series camera to a MIC Series power supply	**MIC-25M-S**