

Datasheet

VBox AC PRO

Wi-Fi irrigation controller for 8 zones · 24 V AC · IP68 · plug & play with M14 connectors
PRO line · multi-channel · cloud platform my.irrigation.cloud



8 zones

24 V AC

IP68

Multi-channel

M14 plug & play

OTA updates



A professional controller that never needs opening

The VBox AC PRO controls up to 8 zones with 24 V AC solenoid valves. The housing is fully sealed to **IP68** – valves and power supply are connected via **M14 plug connectors**. Outdoor mounting on wall, fence or post, or inside a valve box.

Connected directly to **my.irrigation.cloud** via Wi-Fi; with the PRO subscription it switches several zones simultaneously in **multi-channel operation**.

Your benefits

- Plug & play: connect valves with M14 cables – no opening, no tools
- Permanently sealed to IP68, touch buttons and LEDs on the outside
- Multi-channel: up to 8 zones in parallel (PRO subscription, 5 A variant)
- 4 channel modes: irrigation, pump/master valve, tank filling, tank draining

Technical data

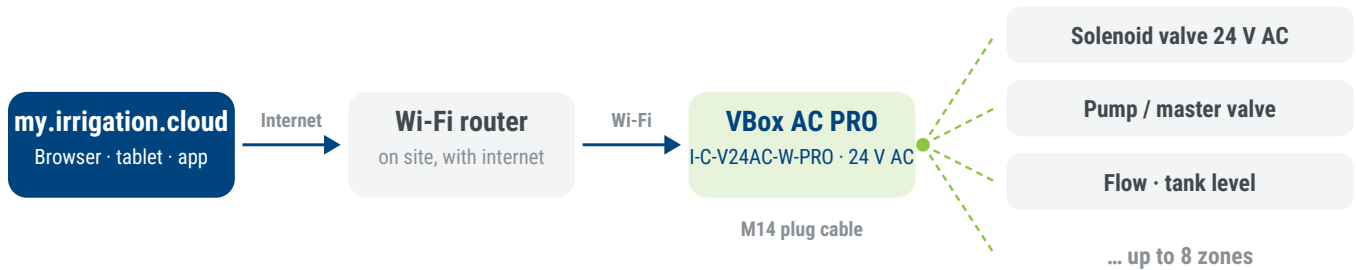
Item number	I-C-V24AC-W-PRO · EAN 4251884912026
Multi-channel variant	I-C-V24AC-W-PRO-5A · EAN 4251884912170 – factory-fitted with 5 A fuse
Outputs	8 × M14 socket, 2-pin, for 24 V AC solenoid valves
Channel mode	Single-channel or multi-channel (up to 8 zones in parallel, PRO subscription)
Power	max. 40 VA per channel · max. 120 VA total with 5 A fuse · factory 1 A fuse: max. 24 VA (fine-wire fuse 5 × 20 mm, time-lag)
Supply voltage	24 V AC via M14 socket "POWER" from external transformer 30 VA or 120 VA (transformer input 230 V AC, 50 Hz as per rating plate)
Option connector	M12 socket, 8-pin: flow sensor, tank level (float switches or analogue 0–3.1 V), control output for pump/master valve (3.3 V logic, for relay module), RS485 (reserved)
Programmes	20 per type and channel, max. 100 per VBox (manual, timer, calendar, smart)
Radio / cloud	Wi-Fi 2.4 GHz (802.11 b/g/n), Bluetooth LE 5.0 for commissioning
Operation / display	2 touch buttons · 3 status LEDs (power, connection, Wi-Fi)
Protection class	IP68 – housing is not opened for connection or commissioning
Mounting	Outdoor mounting on wall, fence or post, or inside a valve box
Conformity	CE (RED, RoHS)
Operating temperature	–10 °C to +50 °C
Firmware	OTA updates automatically via Wi-Fi



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irrigation.cloud · Wi-Fi irrigation controller for 8 zones, 24 V AC, IP68

System layout



For radio devices (Sensor Modules PRO, IntelliValves PRO) a **Gateway PRO** (I-C-GW-EN-PS-PRO) is added; in the cloud a sensor can control any zone of the VBox.

Pin assignment

CONNECTOR	PLUG	ASSIGNMENT
Zone 1–8	M14, 2-pin	Solenoid valve 24 V AC via valve cable K-M14G-2-SC-2.0 (cores blue/brown, polarity irrelevant)
POWER	M14, 2-pin	24 V AC from the transformer
OPTION	M12, 8-pin	Pin 1 GND (FLOW-) · 2 flow pulse input (SIG) · 3 tank EMPTY: float switch or analogue 0–3.1 V · 4 tank FULL: float switch · 5 control output pump/master valve (3.3 V logic level) · 6 RS485 B · 7 RS485 A · 8 +3.3 V (FLOW+)

Order references

REFERENCE	DESCRIPTION	EAN	TYPE
I-C-V24AC-W-PRO	VBox AC PRO, 8 zones, 1 A fuse	4251884912026	Product
I-C-V24AC-W-PRO-5A	VBox AC PRO Multi-Channel, 5 A fuse	4251884912170	Variant
P-E-K-NT-ACAC30-230_24	Transformer 230 V / 24 V AC, 30 VA (single-channel)	4251884909088	required
P-E-K-NT-ACAC120-230_24	Transformer 230 V / 24 V AC, 120 VA (multi-channel)	4251884912132	required
K-M14G-2-SC-2.0	Valve cable 2 m with M14 coupling, one per zone	4251884912088	required
I-Z-WH-VBPRO	Wall bracket (VBox PRO and Gateway PRO)	4251884912095	Option
I-Z-PH-VBPRO	Pole mounting kit (VBox PRO and Gateway PRO)	4251884912101	Option
I-Z-FS-DN20-M-1	Flow sensor DN20 (¾"), 2–45 l/min	4251884909170	Option
I-Z-FS-DN25-M-1	Flow sensor DN25 (1"), 4–45 l/min	4251884909187	Option

Important for planning

- **Power:** factory 1 A fuse = max. 24 VA. Multi-channel: variant **-5A** + 120 VA transformer + PRO subscription.
- **Option connector:** 3.3 V logic, no protection circuit – pumps only via relay module; RS485 reserved.
- **Wi-Fi** 2.4 GHz required (otherwise LTE router). Fuse replacement by qualified personnel only.