

CONTROLLERS CHARACTERISTICS

All our HVLS fan models can be managed remotely through a digital control screen. Our Magnocontrol 25 system allows controlling up to 25 units from one single screen. We can also design a fully customized control system according to customers' needs.

HVLS fans are prepared for Modbus control, so that they can be easily integrated into any Scada system.

Automated HVLS can be adjusted according to the following operating parameters: running and stopping order, fan speed, direction of fan rotation, daily-weekly time control and displaying the different operating alarms.

Likewise, it allows its integration and automation with temperature probes and installation against fire.



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MODELS



01 - Magnocontrol



02 - Slimcontrol



03 - Magnocontrol 10-25



04 - Customized

Model	Item #	Input Voltage
Magnocontrol	MGV10-1007	+ 12 ~ 48VDC
Slimcontrol	MGV10-0003	+ 12 ~ 24VDC
Magnocontrol 10	MGV10-1000	200 ~ 240VAC 50/60Hz
Magnocontrol 10 for automated windows	MGV10-1501	200 ~ 240VAC 50/60Hz
Magnocontrol 25	MGV10-2000	200 ~ 240VAC 50/60Hz
Magnocontrol 25 for automated windows	MGV10-1502	200 ~ 240VAC 50/60Hz

MAIN FUNCTIONS

Model	# Units	Screen	Supply Voltage	Speed Control	Operation Mode	Groups Config.	Schedule Config.	T° & Humidity Config.	Windows Config.
MAGNOCONTROL 1	1	2.8"	24V	0-100%	Forward-Reverse	No	No	No	No
SLIMCONTROL	10	7"	24V	0-100%	Forward-Reverse	Yes	Yes	No	No
MAGNOCONTROL 10	10	10.1"	220V	0-100%	Forward-Reverse	Yes	Yes	Yes	Yes
MAGNOCONTROL 25	25	10.1"	220V	0-100%	Forward-Reverse	Yes	Yes	Yes	Yes
CUSTOMIZED*	25	-	-	0-100%	Forward-Reverse	Yes	Yes	Yes	Yes

* It is configured according to the needs of each client

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TECHNICAL DATA

MAGNOCONTROL



Display	2.8" TFT
Resolution	240 x 320 x 16 pixels
Voltage supply	+ 12 ~ 48 VDC
Consumption	1.2 W
Comms protocol	RS485
Dimensions	91.2 x 135.5 x 42 mm
Operating temperature	-20°C to + 70°C
Storage temperature	-30°C to + 80°C
Weight	375g
Protection degree	IP40

SLIMCONTROL



Display	7" TFT
CPU	ARM Cortex 48
Software	Android 4.1.2
Resolution	800x480 pixels
Voltage Supply	+9 ~ 28 VDC
Consumption	<12W
Comms protocol	RS485
Dimensions	118 x 178 x 45 mm
Operating temperature	-10°C to +50°C
Storage temperature	-30°C to +70°C
Humidity	0-90% RH no dew
Weight	650g
Degree of protection	Protected from water and dust

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MAGNOCONTROL 10-25

MOUNTING BOX

Stainless Steel waterproof case
Includes handle for door opening
Integrates a DIN rail to anchor the controller and the power supplies.
Dimensions: 400 x 350 x 100mm
Includes cable glands for 230v power cables, Modbus RS485 bus and UTP cable output.

CONTROLLER



Processor	Broadcom BCM2837 CPU: 4 × ARM Cortex-A53, 1.2GHz.
RAM	RAM, 1GB LPDDR2 (900 Mhz)
Ethernet	10/100 Ethernet network
Storage	8Gb storage
Ports	4 × USB 2.0, 1xEthernet, 1xRS485
DIN rail support	(6 modules) for rail EN50022
Power supply	9-24VDC
Dimensions	107x 90 x 58mm (Width x Height x Depth)

TOUCH SCREEN FOR MAGNOCONTROL 10



Power	Power over Ethernet
Appearance	Black plastic wrap Front 100% flat without plastic front frame
Display	Tablet 10.1
Processor	Processor Cortex A9 Dual Core 1.2Ghz. Chip set MALI 400. 1Gb of DDR3 SDRAM memory, 4Gb of NAND Flash memory
Software	Android 4.2
Screen	Backlight by LED. Resolution of 1024 x 600. Brightness of 450 cd / m ² . Horizontal viewing angle of 140° and vertical of 130°. Contrast ratio of 600: 1.
Touch Screen	Multitouch projected capacitive touch technology with 4 simultaneous touches and gloss finish
WIFI	RJ45 LAN port, external slot with protection for optional SD storage card, USB express port, micro USB port, HDMI output, microphone input
Voltage Supply	12V / 2A
Support	VESA 75 mm rear anchors
Comms protocol	RS485
Dimensions	260 x 163 x 24 mm
Operating temperature	0°C to +40°C
Audio	Optional audio output. 2 3-watt stereo speakers
Humidity	0-90% RH no dew
Weight	615g
Warranty	2 years warranty in the laboratory

TOUCH SCREEN FOR MAGNOCONTROL 25



Display	15.6" 1366 X 768 (HD) LED Backlight
Processor	Intel® Baswell Celeron® N3150 processor with low power consumption
Software	Windows 10 Home - MSI recommends Windows 10 Pro
Touch Screen	10 point-touch screen.
WIFI	Intel® Dual Band Wireless-AC 3165 M.2 Combo card.
Ports	2 x RJ45 to COM
Support	VESA standard (STD 100x100mm) with wall mount plate (optional)
Update rate	Intel® Ready Mode, experience the power of "always on," real-time updates
Cooling	Silent and Fan-less heat dissipation design
Loader	Features MSI Super Charger technology that supports USB Sleep-and-Charge with auto-detection
Installation	Different positions with Multi Mode
Design	Eco-friendly Design: RoHS, ErP