



WUC 102 Unicontrol control unit



Natural
ventilation

230V

Rated voltage

Application

- for 24V DC window actuators
- 1 comfort ventilation group up to max.3A
- can be combined with external temperature sensor, timer or BMS
- rain/wind sensor can be connected
- multiple devices can be linked to form large groups

The control unit can be used for operation of 24 VDC window actuators and other electric accessory products (e.g. Venetian blinds) with a total power consumption of max 3A.

The WUC 102 is as standard equipped with an output voltage area of 20-30V.

The control unit has 2 clamp connections for motors as well as 3 signal inputs (A,B,C) for "OPEN/CLOSE" function for WindowMaster sensors (only use potential free switches) and keypads (switches). It is also possible to connect keypad WSK 100.

The WUC 102 is fitted with current measurement, which will disconnect the control unit if temporarily overloaded.

Input signal is to be potential free.

Specifications

- ventilation function in 1 group up to max. 3A
- OPEN/CLOSE manually by external ventilation switch
- 3 potentialfree inputs (OPEN/CLOSE) with priority sequence with the possibility of connecting rain/wind/sensor, timer, thermostat and keypads.

Technical specifications	
Primary voltage	230V AC \pm 10%, 300VA, 50Hz
Inrush current on primary side	Max. 10A < 10msec
Secondary voltage	Low: 17-27V DC High: 20-30V DC (standard) Max. current: \pm 24V DC / 3A
Standby consumption	3W at 230V
Ripple at full load	10% (2Vpp)
Open circuit	30V at 53V
AUX	Max. 200mA
Operating condition	-5°C - +45°C, for indoor installation, the control unit may not be covered
Switch on duration	ED 40% (max. 2 min. per 5min.)
Material	Polycarbonate, fire retardant according to UL 94-5V
Colour	White (NCS 1000)
Size	180 x 110 x 70mm (W x H x D)
Weight	1.4kg
Protection type	IP20
Mounting	It is recommended to mount WUC 102 on a vibration-free surface
Delivery	Control unit with 1.2m cable and standard plug for connection to the mains supply
Note	We reserve the right to make technical changes

Items	Item no.
UniControl control unit	WUC 102 0103
UniControl control unit (UK version, 240V AC)	WUC 102 0403

Accessories	Item no.
Keypad push-button, flush mounting	WSK 100 1161
Room thermostat	WLA 110
Rain/wind sensor	WLA 330
Rain sensor	WLA 331

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WindowMaster actuators	Max. number of windows actuators which can be connected (max 3A total)	
	Secondary voltage: high (standard) (max. 30V)	Secondary voltage: low (max. 27V)
WMS 306 / WMS 306 (-1/-2)	2	*
WMS 309 / WMS 309 (-1/-2)	2	*
WMS 409-1	1	*
WMU 836 (-1/-2)**	2	*
WMU 861-1**	1	*
WMU 862-1**	1	*
WMU 882-1**	1	*
WMX 503/504/523/526 (-1)**	5	*
WMX 503/504/523/526 (-2)**	4	*
WMX 803/804/823/826 (-1)**	3	*
WMX 803/804/823/826 (-2)**	2	*

* The actuator is not suitable for this voltage.

** Aside from a window actuator (window actuators) it is also possible to connect a espagnolette actuator type WMB 801/802 or WMB-811/812 (single or double).