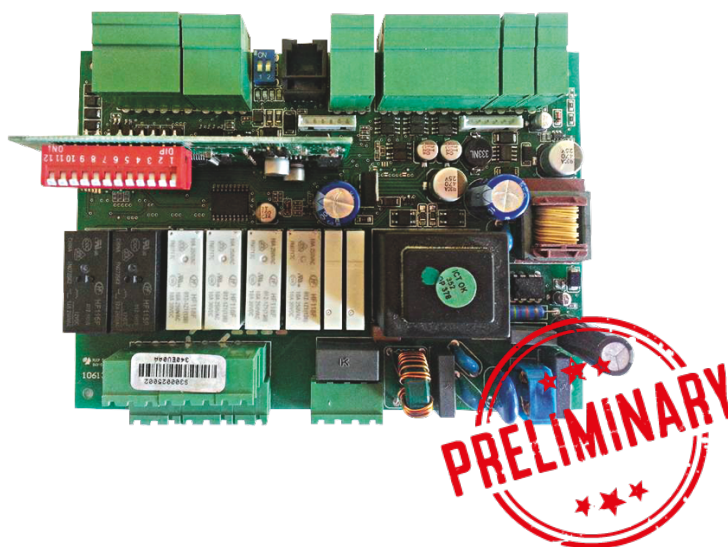


UP001 - COOKER HOOD TIMER

DESCRIPTION

UP001 is a control unit for a cooker hood.
 It works with an external keyboard and a RF remote control.



NOMINAL RATING			
Nominal Input Voltage	Vac	220-240	
Input Voltage Range	Vac	198-264	
Frequency	Hz	50/60	
Max Input Current	mA	15	
Maximum Input Power	W	1.1	
StandBy Consumption	W	<0.30	
λ		>0.5	
Ambient Working Temperature	°C	0 to +60	
Motor Output	W	2x350	4 steep
Main Lamp (ON/OFF or Triac)	W	80	Electronic Halogen Transformer
Secondary Lamp (ON/OFF)	W	80	Electronic Halogen Transformer
Safety Class		II	Functional Earth

CONNECTIONS		
Connector	Type	Use
CN1	Stoko Series MKS 1850	Motor: 4 steps (up to 2x350W)
CN2	EuroClmap PV series	Plug-in Connector, pitch 5.0mm (Male+Female)
CN3	Stoko Series MKS 1850	Main Lamp (ON/OFF with relay or TRIAC Dimiming)
CN4	Stoko Series MKS 1850	Power Supply
CN5-CN10	Micro Match	KeyBoards
CN6	Molex 22-27-20xx	Serial Interface or Digital I/O
CN7	Molex 22-27-20xx	Micro Switch or Digital I/O
CN8	Molex 22-27-20xx	Digital I/O
CN9	Molex 22-27-20xx	PWM Dimming for external Controller
-	-	ASK RF Receiver 433.92MHz

EMI PERFORMANCES				
Parameter		Min	Typ	Max
Burst	kV	3		
Surge Differential Mode	kV	1.5		
Surge Common Mode	kV	3.0		

PWM DIMMING (on CN9)			
It's possible to drive an external controller (for led driving)			
Parameter			
Voltage	V	5	
Frequency	Hz	200	

DIGITAL I/O (on CN7, CN8)

For general uses (e.g. MicroSwitch)

Parameter

Voltage	V	5
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RS232 TTL Level (on CN6)

It's possible to connect the board to an external unit and link them via a serial communication

Parameter

Voltage	V	5
Baud Rate	Bit/s	9600-19200

HUMAN INTERFACE: Keyboards (on CN5, CN10)

It's possible to connect up to 2 Gitronica Control Keyboard with up to 6 buttons plus 7-seg display.

HUMAN INTERFACE: RF Remote Control (optional)

It's possible to use a RF Remote Control working at 433.92Mhz to drive the cooker hood in its main functions (motor, lights). Typical working distance: 30m.

MAIN LAMP

It's possible to switch ON/OFF an external electronic transformer for halogen lamp with up to 100W power.

It's possible to dim an external triac dimmable electronic transformer for halogen lamp up to 80W (optional).

SECONDARY LAMP

It's possible to switch ON/OFF a secondary external electronic transformer for halogen lamp with up to 100W power.

EARTH LEAKAGE CURRENT

Earth Leakage	TBD
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INRUSH CURRENT

InRush Current	TBD
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LOADING FOR AUTOMATIC CIRCUIT BREAKER

Breaker Type	B16A	B10A	C16A	C10A	K16A	K10A
n. of ECG	TBD	TBD	TBD	TBD	TBD	TBD

LIFE PERFORMANCE

Life @ Ta max	>50.000h
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MECHANICAL INFORMATION

Housing: Over All Dimension	104x97x27mm
Mounting system	n.2 Screws Ø3

STANDARDS

EN 60335-1	Household and similar electrical appliances – Safety
EN 60335-2-6 A1 e A2	Particular requirements for stationary cooking ranges, hobs, ovens and similar appliances
EN 55014-1	Electromagnetic compatibility - Requirements for household appliances, electric tools and similar apparatus - Part 1: Emission
EN 61000-4-4	Electromagnetic compatibility (EMC) - Part 4-4: Testing and measurement techniques - Electrical fast transient/burst immunity test
EN 61000-4-2	Electromagnetic compatibility (EMC) - Part 4-2: Testing and measurement techniques - Electrostatic discharge immunity test
EN 61000-4-11	Electromagnetic compatibility (EMC) - Part 4-11: Testing and measurement techniques - Voltage dips, short interruptions and voltage variations immunity tests
EN 61000-4-5	Electromagnetic compatibility (EMC) - Part 4-5: Testing and measurement techniques - Surge immunity test
EN 61000-4-6	Electromagnetic compatibility (EMC) - Part 4-6: Testing and measurement techniques - Immunity to conducted disturbances, induced by radio-frequency fields

STORICO DELLE MODIFICHE

Data	Versione	Autore	Note
15/10/2012	0.0	A. Corsi	First Issue