

Automated Gate for ONE Workstation

NEW



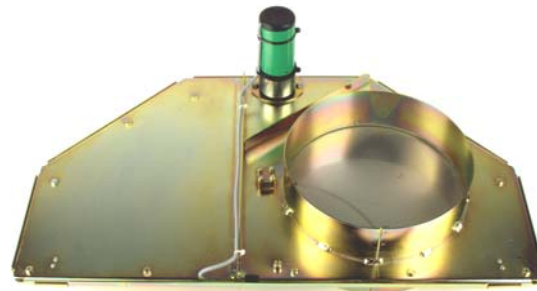
Ultimate in Dust Collecting

greenBOX ONE (version 4)

FUNCTION	Opens gate automatically when workstation is ON, closes gate when workstation is OFF.
BENEFITS	Allows use of smaller dust collector, increases suction at machines in use. New version 4 is smaller, with more control possibilities, and uses powerful Motorola microprocessor, front panel indicators and OPEN/CLOSE button.



Control unit greenBOX ONE, EG104 (V4)



Accessories: motorized gates 5'' up to 18''

Typical Use

EXISTING DUST COLLECTING SYSTEM	By installing Ecogates on workstations that are used only part time, you can increase ventilation system capacity and save electricity without the expense of making your system bigger.
NEW WORKSTATIONS	Control unit and gates are available as an OEM for producers of different woodworking machines.

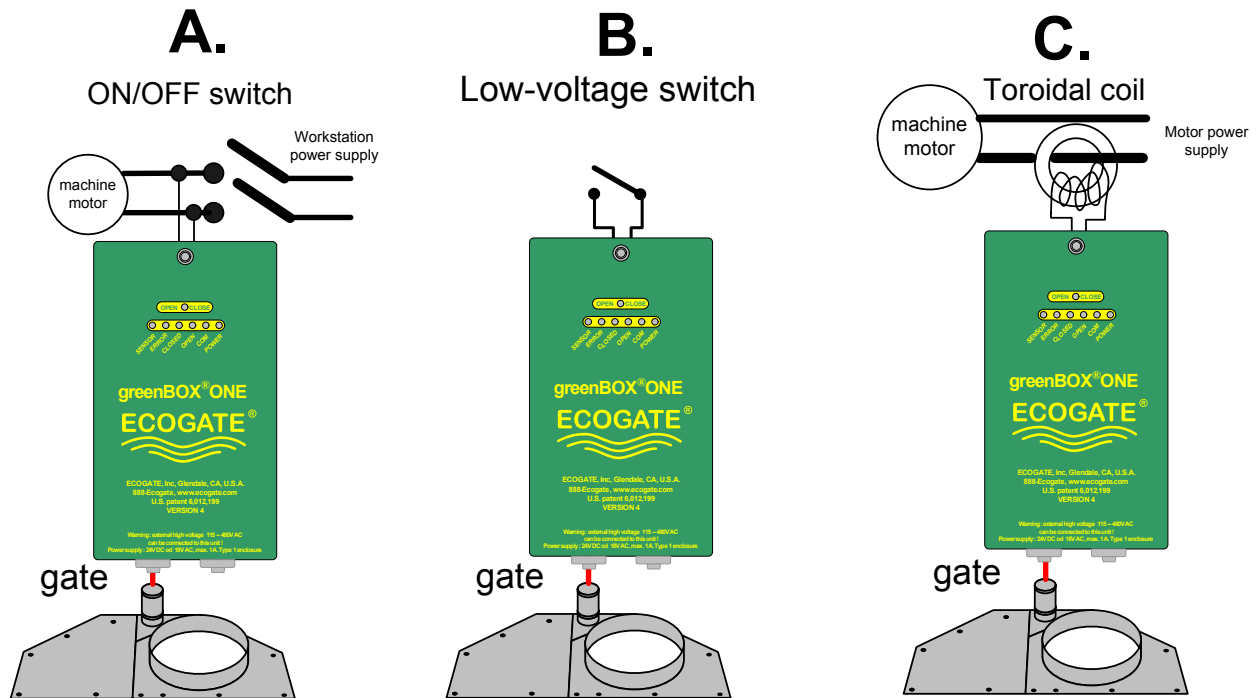
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Specifications

MODEL	EG104, greenBOX ONE, Version 4
SIZE	Width 3.6" (90 mm) Height 6" (150 mm) Deep 1.8" (45 mm), Height with bushings: 6.5" (165mm)
WEIGHT	1.0 Lb (0.45 kg) without power supply adapter (transformer)
POWER SUPPLY	18V AC or 24V DC, 30 W max. (transformer 115V/18 V AC is delivered with unit)
AUTOMATIC GATES compatibility	ECOGATE motorized gates (24 V DC, max .current 1A) up to 18" duct diameter, one gate only can be connected to the greenBOX ONE GATE output
CONTROL INPUTS	a. 115-480 V AC from machine ON/OFF switch (most commonly used) b. external low voltage switch (contact, 5V/10 mA) or dry contact from CNC c. toroidal sensor, reading current to the machine motor
BUTTON	Open Gate / Close Gate (one press will open gate, second press will close gate)
INDICATORS	LED indicators: POWER SUPPLY ON, SENSOR (control input), GATE OPEN, GATE CLOSED, ERROR and COMMUNICATION (if connected to the PC).
SETTINGS	ON delay (default 0.5 sec, programmable 0.2...10 sec), OFF delay (default 1 sec, programmable 0.5 sec..17 min), SENSOR SENSITIVITY. Other functions are possible via serial channel - Windows PC (software is not delivered).
OUTPUT	"RUN" free (dry) contact (to start dust collector ON) max. 4 Amps 230 VAC, GATE (24V DC, max. 1A).
OPTIONAL ACCESORIES	Gates 5" to 18" (EG205 -EG218), toroidal sensor EG 313.

Connections



There are three possibilities for gate automatic function. "A. option" is used most frequently (voltage from ON/OFF workstation switch). Note: free (dry) greenBOX "RUN" contact can be used to start/stop dust collector automatically (not illustrated). Both bushings are in bottom part of the enclosure.

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