

Control System for 22 workstations

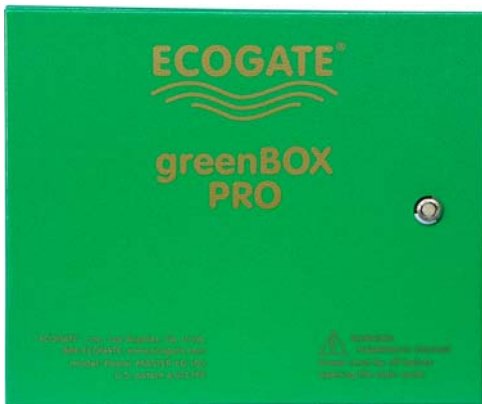
NEW



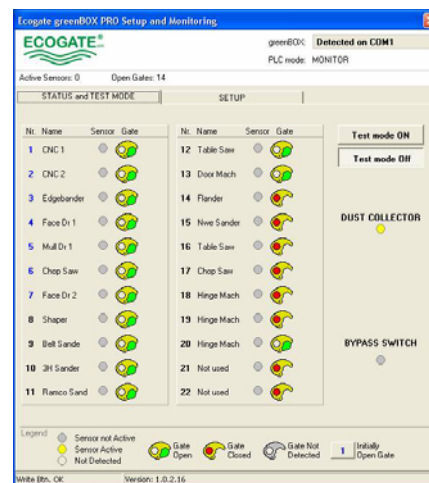
Ultimate in Dust Collecting

greenBOX PRO

<p><i>“It’s like having a new dust collecting system”</i></p>	<p>Opens gates automatically when workstations are ON, closes gates when workstations are OFF. This unit controls up to 22 workstations (other model can control 2x10 workstations) and switches dust collector ON/OFF.</p>
<p>UPGRADE AN EXISTING OVERCROWDED DUST COLLECTING SYSTEM</p>	<p>If your plant has expanded and you are left with an undersize dust collector, the ECOGATE PRO System can greatly improve system performance, without the expense of making your system bigger (and you will save on electricity cost).</p>
<p>NEW SYSTEM</p>	<p>Your new dust collector can be designed 40% smaller than the standard design, or you can use conventional design size and this allows for 40% expansion later.</p>



Control unit greenBOX PRO, EG103



Setup and monitoring via Windows PC.

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Typical Use

BENEFITS	Allows use of smaller dust collector, increases suction (air-velocity) at machines in use, and saves about 25% of electricity.
COMPARISION with OTHER ECOGATE SYSTEMS	Cost effective solution, where greenBOX MASTER and variable speed drive are too expensive. Smaller unit greenBOX allows the connection of only 8 workstations and allows only limited length of cable between control unit and gate (not suitable for industrial installations).

Specifications

MODEL	greenBOX PRO, EG 103 (based on OMRON PLC, made in Japan)
SIZE	15" x 19" x 7.5" (38 cm x 46 cm x 19 cm)
WEIGHT	31 Lb (14 kg)
POWER SUPPLY	115 - 230V AC, 50-60 Hz, 100 W max.
ECOGATES compatibility	ECOGATE motorized gates 5" to 16" total 22 channels for gates/sensors (power supply 24 V DC for gates, max .current 0,8A is included).
INDICATION & MONITORING	Inputs and output status indicated on PLC (inside greenBOX case), status can be also monitored via Windows PC connected via serial channel (up to 30 ft cable, longer cable with optional RS232/485 adapters).
ACCESSORIES (optional)	Motorized Ecogates 5" to 16" (EG205 -EG216), ECode /i sensor (EG309), power relay for switching the dust collector ON/OFF (EG400 up to 15 HP, EG401 up to 30 HP @ 3-phase 460 V).
INPUT, OUTPUT	Input for "MANUAL" switch to open all gates and start dust collector, Output: free (dry) contact (max. 5A at 250VAC) to start/stop dust collector
SETTINGS	Settings by using Windows PC with serial channel: gate timings (on delay, off delay, opening time), number of initially open gates (to maintain air-velocity), dust collector on delay (0-99 sec) and shut-off delay (0 to 99 minutes).



Control unit greenBOX PRO, EG 103



Optional accessories: EG 309 ECode /i sensor interface, delivered with toroidal coil and holder, one sensor is necessary per one workstation (one workstation can have several gates)