

**NORDFAB**  
**QUICK-FIT**   
**THE WORLD'S FASTEST DUCTING**

**PRO SYSTEM**

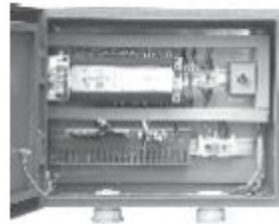
Function	Opens gates automatically when workstations are ON, closes gates when workstations are OFF. This unit controls up to 22 workstations and switches dust collector ON/OFF.
Upgrade an existing overcrowded dust collection system	In case your plant has expanded and you are left with an undersize dust collector, the ECOGATE PRO System can greatly improve system performance, without the expense of making your system bigger (you will save on electricity too and meet OSHA recommended safety levels).
New system	Your new dust collector can be designed 40% smaller than the standard design, or you can use conventional design size and this allows 40% expansion later.



Control unit greenBOX PRO, Eg103



Accessories: motorized gates 5" up to 16"



Control unit greenBOX PRO, EG 103



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

**Typical Use**

Benefits	Allows use of smaller dust collector, increases suction (air-velocity) at machines in use, and saves about 25% of electricity.
Comparison 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 (best suited for small/medium factories).

**PRO System Specifications**

MODEL	greenBOX PRO, EG 103 (based on OMRON PLC, made In Japan)
SIZE	15" x 19" x 7" (38 cm x 48 cm x 18 cm)
WEIGHT	66 Lb (30 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
ACCESSORIES (optional)	Motorized Ecogates 5" to 16" (EG205 -EG216), ECode II 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 contact (max. 5A at 250VAC) to control 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 shut-off delay (0 to 99 minutes).