



EcoBOSS™ Power Box is a truly powerful upgrade over the EB Loop Box Control. The EB Power Box utilizes an **ENERGY SMART** logic controller that is designed to operate automatic gates based on real time equipment utilization (spindle run time) through a simple integrated network system. The required EB-SVD Standalone Variable Speed Drive regulates fan speed to provide a reduction of Kwh consumption up to 80%. Optimum energy savings is provided by regulation of fan speed dependent on filter pressure fluctuation and resistance. The EB Power Box is a truly smart system that is designed to adjust fan speed dependant on real time CFM requirements and can sequence control of discharge valves, transfer fans, dirty filter alarms, fire extinguishment and/or suppression, explosion isolation, clean air abort return and variable pulse filter cleaning systems.

Standard Features

- NEMA 12 enclosure
- 0-10" pressure transducer
- SVD link light
- Logic controller for gate delay timers and sequence of operation. (start up/shut down procedures)
- Terminals for connecting to EB-SVD stand-alone variable speed drive
- Clean sweep
- Manual override
- 3-prong 120VAC power cord
- Terminals for connecting to optional Fire Control System, No Return Valve (CP02) Intrinsic Panel, Fire Break/No Return Valve Micro-Switch, make-up air damper, pulse cleaning control and auxiliary device motor starter panel
- UL labeled

Available Options

- EB-SVD stand-alone variable speed drives.
- All NEMA enclosure ratings
- Lesser or larger pressure transducer ranges
- Dirty Filter Alarm
- EB-DPPC differential pressure based pulsed cleaning controls and EB-ADMS auxiliary devices motor starters. Available as a stand-alone control(s) or can be integrated into the Loop Box
- Pneumatic distribution and wiring solutions
- **EB-IECP INDUSTRIAL ENERGY** All-in-one central control panel with integral EB-SVD and disconnect

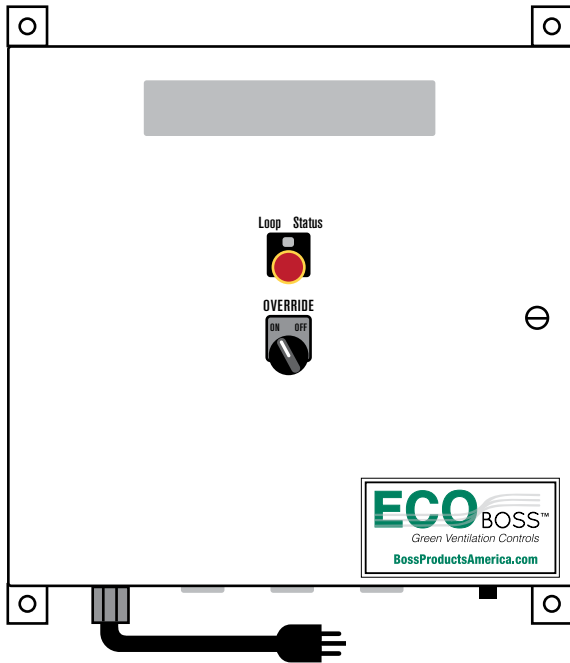


Example Applications:

- Dust Collection
- Mist Collection
- Fume/Smoke Collection
- Ambient Air Cleaning
- Vehicle Exhaust

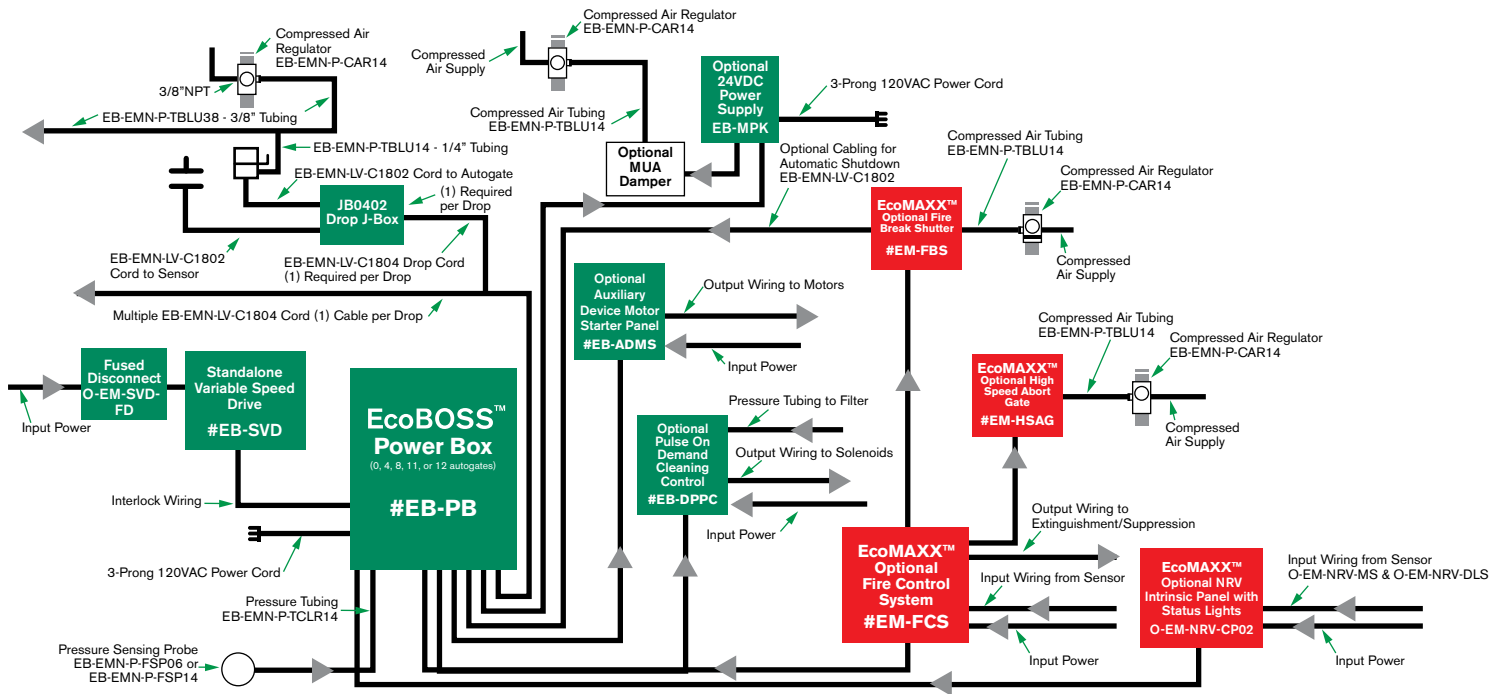


AVAILABLE MODELS



| MODEL | DESCRIPTION |
|--------------------|--|
| EB-PB-010-00 | Standard Power Box without the ability to control autogates. |
| EB-PB-010-00-DFA01 | Standard Power Box with single stage dirty filter alarm & without the ability to control autogates. |
| EB-PB-010-04 | Standard Power Box with the ability to control (4) autogates. |
| EB-PB-010-04-DFA01 | Standard Power Box with single stage dirty filter alarm & the ability to control (4) autogates. |
| EB-PB-010-08 | Standard Power Box with the ability to control (8) autogates. |
| EB-PB-010-08-DFA01 | Standard Power Box with the single stage dirty filter alarm & the ability to control (8) autogates. |
| EB-PB-010-11-DFA01 | Standard Power Box with the single stage dirty filter alarm & the ability to control (11) autogates. |
| EB-PB-010-12 | Standard Power Box with the ability to control (12) autogates. |
| EB-IECP-XXX.X-XXX | Industrial Energy Control Panel. Combines EB-SVD & applicable components in a single all-in-one central control panel with disconnect. |

TYPICAL EcoBOSS™ POWER BOX SYSTEM POWER DISTRIBUTION SCHEMATIC



***NOTE:** Central Panel EB-IECP combines applicable Power Box system components in (1) Central Panel with Disconnect