Power Box Ultimate

(Model # EB-PBU)

Choose the EcoBOSS™ Power Box Ultimate for the most advanced Energy Saving Control System available. An extremely powerful upgraded system, the EB Power Box Ultimate utilizes the most advanced **ENERGY SMART** technology with external color touch screen programing for operation interface and expanded system capacity to provide energy savings for larger systems. Think of the EB Power Box Ultimate as our basic Power Box Control System on steroids! Standard features and available options combine to make the EcoBOSS™ Power Box Ultimate the intelligent brain for the most advanced energy saving control system for industrial ventilation available.

Power Box Ultimate Control systems are designed to operate automatic gates based on real time equipment utilization (spindle run time) through a simple integrated network, adjust fan speed based 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
- 6” graphical color touch screen
- HAND / OFF / AUTO selector switch
- 0-10” pressure transducer
- SVD link light
- Advanced logic controller (accessed through the touch screen) for complete gate, motor control and sequencing
- Clean sweep
- Manual control of all motors and gates
- Password protection
- Terminals for connecting to EB-SVD stand-alone variable speed drive
- 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
- Multi-stage dirty filter alarms
- Remote Monitoring
- EB-DPPC differential pressure based pulse cleaning controls and EB-ADMS auxiliary device motor starters. Available as a stand-alone control(s) or can be integrated into the Power Box Ultimate
- Pneumatic distribution and wiring solutions
- **EB-MFCP MULTI-FUNCTION** 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**

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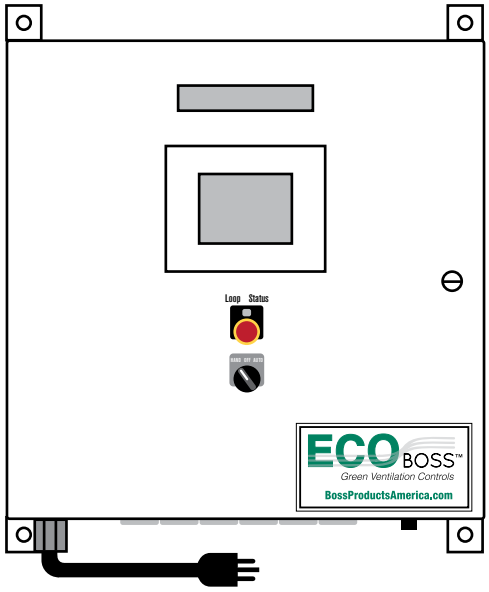
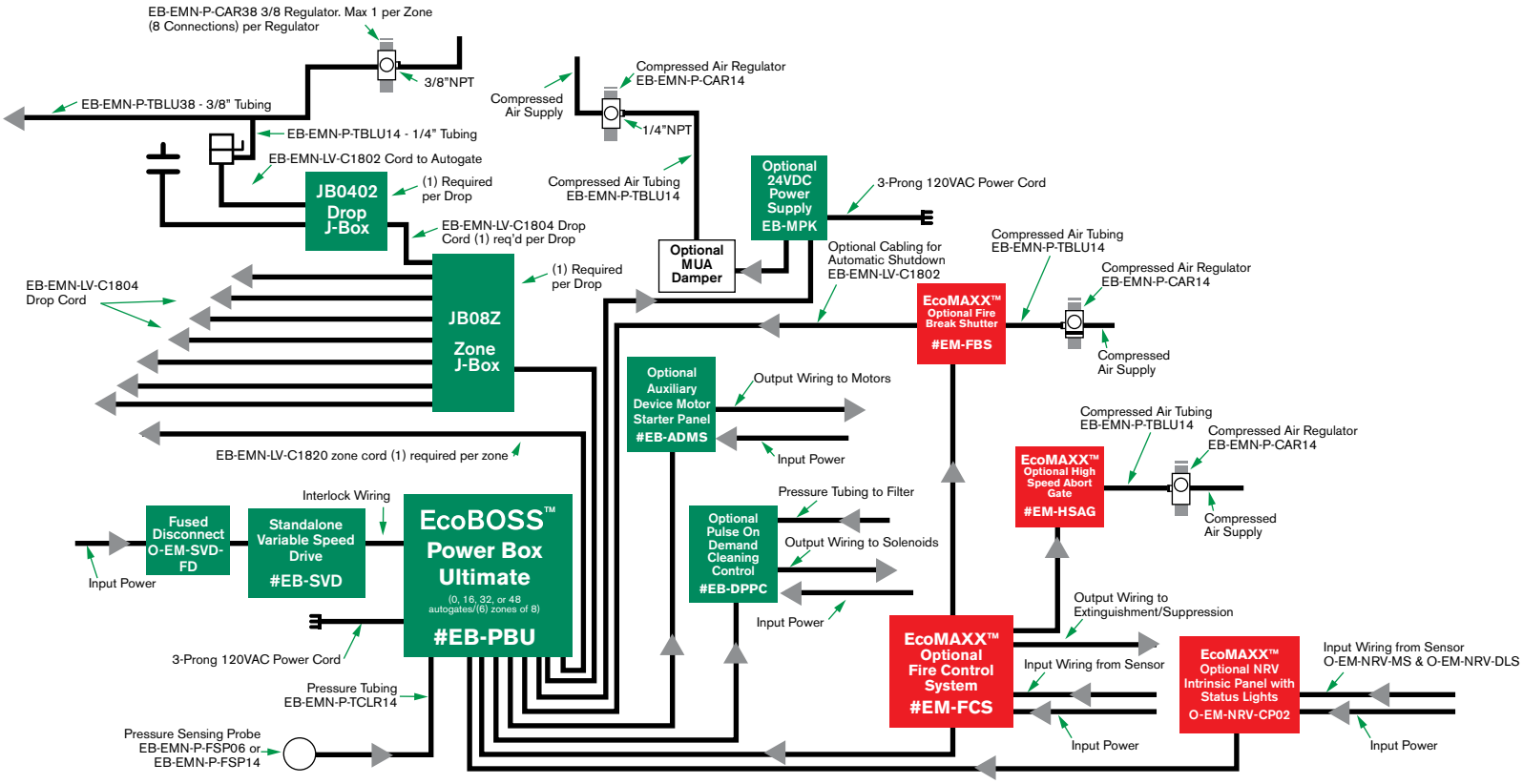
AVAILABLE MODELS



MODEL	DESCRIPTION
EB-PBU-010-00	Power Box Ultimate without the ability to control autogates.
EB-PBU-010-08	Power Box Ultimate with the ability to control (8) autogates.
EB-PBU-010-16	Power Box Ultimate with the ability to control (16) autogates.
EB-PBU-010-32	Power Box Ultimate with the ability to control (32) autogates.
EB-PBU-010-48	Power Box Ultimate with the ability to control (48) autogates.
EB-MFCP-XXX.X-XXX	Multi-Function Control Panel. Combines EB-SVD & applicable components in a single all-in-one Central Control Panel with disconnect

TYPICAL EcoBOSS™ POWER BOX ULTIMATE SYSTEM POWER DISTRIBUTION SCHEMATIC



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

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