BOXSMART EC

Control panel for an EC motor fan
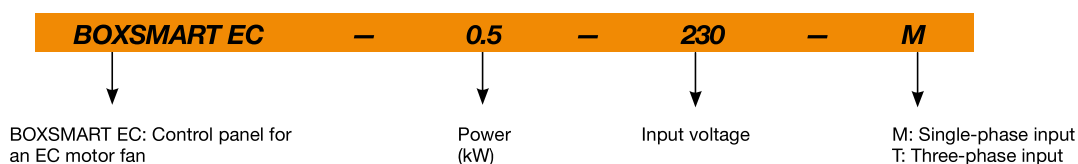
The BOXSMART EC control panel includes:
• Variable frequency drive programmed at 50 Pa and highly accurate differential pressure probe.
• External connection for the control panel to be used exclusively by firefighters.
• Magnetic thermal switch.
• Status indicator lamp: Ready, Alarm, Fire and Run.
• Built-in control panel with TEST selector for maintenance and selector to be used exclusively by firefighters 0-AUTO-MANUAL.
• Operating procedures in safe mode in the case of failure of the differential pressure probe and automatic reset of the system in case of failure.
• Connection of status signals using free power contacts (FAULT, START and FIRE ACTIVATION) and connection to BMS systems via RTU Modbus for monitoring the equipment.
• Memory of the last activation state for greater security, resettable from the RESET selector on the control panel or by external signal.

• External connection for daily ventilation use through SI-CALENDAR accessory.
• Metal casing with lock with key and with IP66 protection.
• Capable of managing asynchronous motors, IPM or RM.
• Ready to operate and perform its function of pressure control.
• Only the power supply, the impulsion fan and the fire signal need to be connected.
• Different input voltage ranges and power on demand.

Options:
• BOXSMART EC: control panel for an EC motor fan.
• BOXSMART: control box for a fan.
• BOXSMART II: control panel with backup fan.
• BOXSMART FLAP: control panel with damper fan.
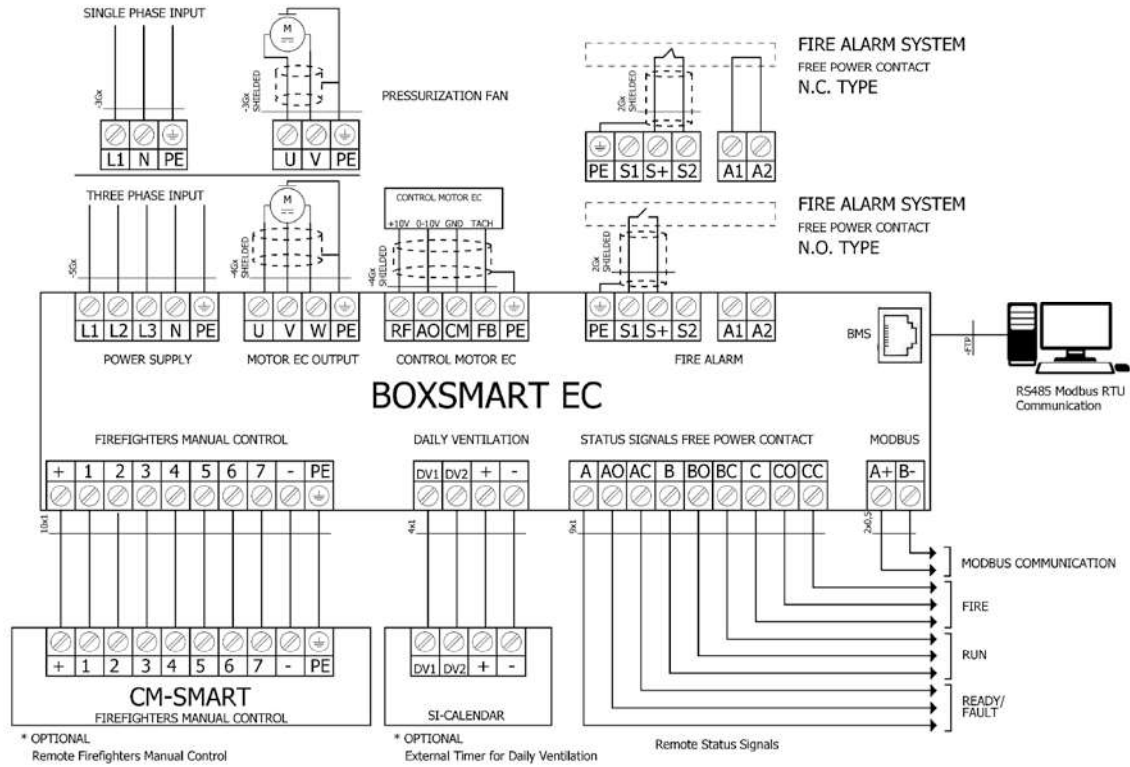
Order code

| BOXSMART EC | — | 0.5 | — | 230 | — | M |

BOXSMART EC: Control panel for an EC motor fan

Power (kW)

Input voltage

M: Single-phase input
T: Three-phase input

Technical characteristics

Model	Power (kW)	Power supply (V) (Hz)	Outlet (V)	Max. Output current (A)	Size	Measurements (length x width x depth)	Approx. weight (Kg)
BOXSMART EC-0.5-230V 50/60HZ-M-M	0.5	200 a 240 V 50/60 Hz	230 V 50/60 Hz	1.5	1	300x400x200	10
BOXSMART EC-1.1-400V 50/60HZ-T-T	1.1	380 a 480 V 50/60 Hz	400 V 50/60 Hz	2.0	1	300x400x200	10

Connections

*All connections are made at the top section of the panel.

Accessories

CM-SMART   SI-CALENDAR