BOXPRES PLUS

Control panel for a fan

The BOXPRES PLUS 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.
- Remains operational once activated by the fire alarm, even when the activation signal is interrupted.
- 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.

Order code

BOXPRES PLUS — 1.1 — 230 — M

- BOXPRES PLUS: Control panel for a fan
  BOXPRES PLUS II: Control panel with standby fan
- Power (kW)
- Input voltage
- M: Single-phase input
  T: Three-phase input

Technical characteristics and dimensions

BOXPRES PLUS

Model	Power (kW)	Power supply (V) (Hz)	Outlet (V)	Max. Output current (A)	Size	Measurements (length x width x depth)	Approx. weight (Kg)
BOXPRES PLUS-0.37-230V 50/60Hz-M-T	0.37	200 a 240 V 50/60 Hz	230 V 50/60 Hz	2.3	1	300x400x200	11
BOXPRES PLUS-0.75-230V 50/60Hz-M-T	0.75	200 a 240 V 50/60 Hz	230 V 50/60 Hz	4.3	1	300x400x200	11
BOXPRES PLUS-1.5-230V 50/60Hz-M-T	1.50	200 a 240 V 50/60 Hz	230 V 50/60 Hz	7.0	1	300x400x200	11
BOXPRES PLUS-0.75-400V 50/60Hz-T-T	0.75	380 a 480 V 50/60 Hz	400 V 50/60 Hz	2.2	1	300x400x200	11
BOXPRES PLUS-1.5-400V 50/60Hz-T-T	1.50	380 a 480 V 50/60 Hz	400 V 50/60 Hz	4.1	1	300x400x200	11
BOXPRES PLUS-2.2-400V 50/60Hz-T-T	2.20	380 a 480 V 50/60 Hz	400 V 50/60 Hz	5.8	2	400x500x250	18
BOXPRES PLUS-4-400V 50/60Hz-T-T	4.00	380 a 480 V 50/60 Hz	400 V 50/60 Hz	9.5	2	400x500x250	18
BOXPRES PLUS-5.5-400V 50/60Hz-T-T	5.50	380 a 480 V 50/60 Hz	400 V 50/60 Hz	14.0	3	400x600x250	21
BOXPRES PLUS-7.5-400V 50/60Hz-T-T	7.50	380 a 480 V 50/60 Hz	400 V 50/60 Hz	18.0	3	400x600x250	21
BOXPRES PLUS-11-400V 50/60Hz-T-T	11.00	380 a 480 V 50/60 Hz	400 V 50/60 Hz	24.0	3	400x600x250	21

Technical characteristics and dimensions

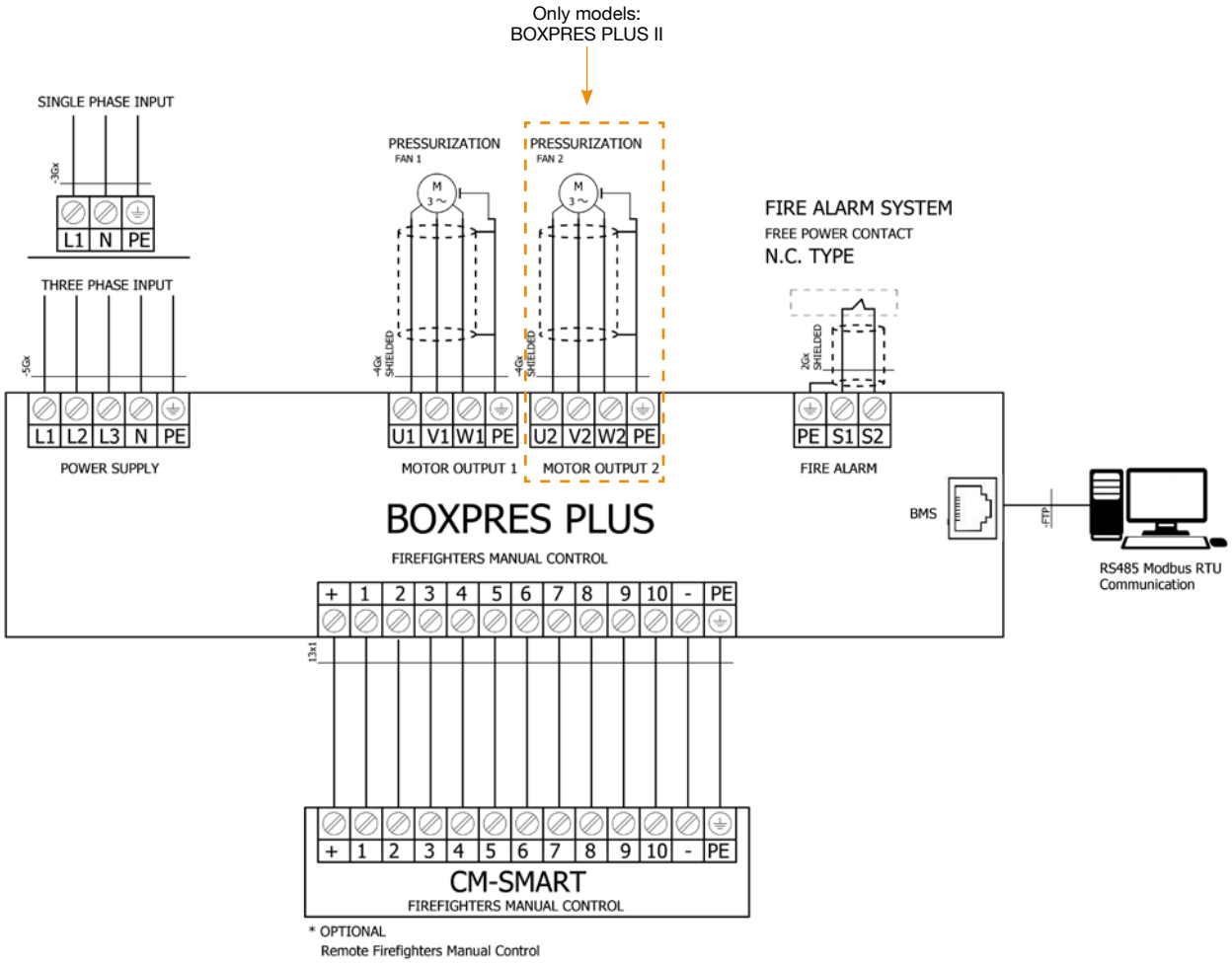
BOXPRES PLUS II

For systems with a standby fan. The fans never operate simultaneously.

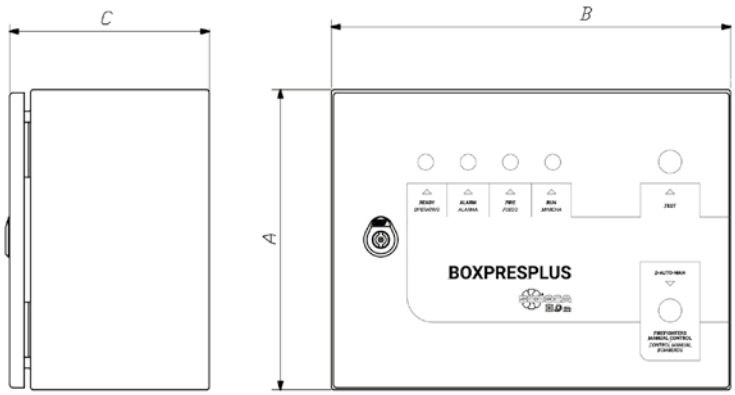
Model	Power (kW)	Power supply (V) (Hz)	Outlet (V)	Max. Output current (A)	Size	Measurements (length x width x depth)	Approx. weight (Kg)
BOXPRES PLUS II-0.37-230V 50/60Hz-M-T	0.37	200 a 240 V 50/60 Hz	230 V 50/60 Hz	2.3	2	400x500x250	18
BOXPRES PLUS II-0.75-230V 50/60Hz-M-T	0.75	200 a 240 V 50/60 Hz	230 V 50/60 Hz	4.3	2	400x500x250	18
BOXPRES PLUS II-1.5-230V 50/60Hz-M-T	1.50	200 a 240 V 50/60 Hz	230 V 50/60 Hz	7.0	2	400x500x250	18
BOXPRES PLUS II-0.75-400V 50/60Hz-T-T	0.75	380 a 480 V 50/60 Hz	400 V 50/60 Hz	2.2	2	400x500x250	18
BOXPRES PLUS II-1.5-400V 50/60Hz-T-T	1.50	380 a 480 V 50/60 Hz	400 V 50/60 Hz	4.1	2	400x500x250	18
BOXPRES PLUS II-2.2-400V 50/60Hz-T-T	2.20	380 a 480 V 50/60 Hz	400 V 50/60 Hz	5.8	3	400x600x250	20
BOXPRES PLUS II-4-400V 50/60Hz-T-T	4.00	380 a 480 V 50/60 Hz	400 V 50/60 Hz	9.5	3	400x600x250	20
BOXPRES PLUS II-5.5-400V 50/60Hz-T-T	5.50	380 a 480 V 50/60 Hz	400 V 50/60 Hz	14.0	4	500x700x250	28
BOXPRES PLUS II-7.5-400V 50/60Hz-T-T	7.50	380 a 480 V 50/60 Hz	400 V 50/60 Hz	18.0	4	500x700x250	28
BOXPRES PLUS II-11-400V 50/60Hz-T-T	11.00	380 a 480 V 50/60 Hz	400 V 50/60 Hz	24.0	4	500x700x250	28

Connections

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

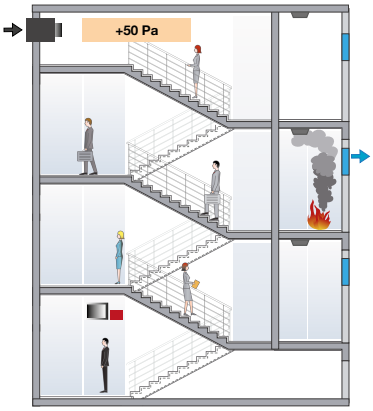


Dimensions mm



Size	A	B	C
1	300	400	200
2	400	500	250
3	400	600	250
4	500	700	250

Application example



Overpressure smoke control method

This system uses pressurisation by injecting air into spaces that are used as evacuation routes in the event of a fire, including stairwells, corridors, passageways, lifts, etc., especially in tall buildings with high occupancy.

The method is based on using air speed and over pressure to create a barrier, preventing smoke from entering evacuation routes.

Accessories

CM-SMART