

CONTROLGO

CONTROL PANEL



ControlGo is an intelligent platform that controls a filter system MDB GO or SCS GO and the connected extraction fan. It monitors and arranges the RamAir™ pulse amplifier (filter cleaning system).


Automatic progressive filter cleaning that is pressure activated and time delayed according to certain pre-set threshold values.

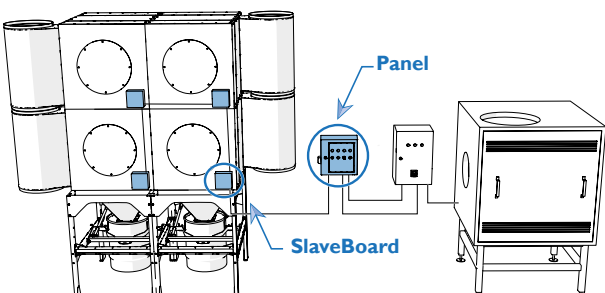
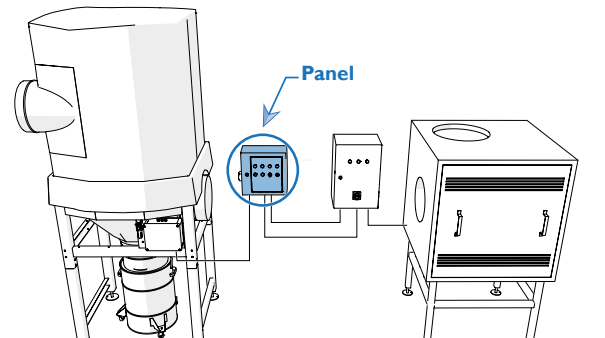


SPECIFICATIONS

ControlGo/Panel	
Physical dimensions and properties	
Material (housing)	sheet metal
Dimensions	400 x 400 x 210 mm (15.7 x 15.7 x 8.3 in.)
• incl. switches and cable glands	• 435 x 425 x 225 mm (17.1 x 16.7 x 8.9 in.)
Weight (net)	11 kg (24 lbs.)
Protection class	IP 65
Inputs	
5x	digital input (10 mA wetting current)
1x	analogue input (4-20 mA)
Outputs	
2x	relay output (max. 30 VDC, 2,5 A)
2x	output "low-side switch" (24 VDC, 2,5 A)
1x	output "low-side switch" (24 VDC, 250 mA)
4x	output "low-side switch" (24 VDC, 30 mA)
Internal connectors	
1x	CAN + power (ControlGo & Control/SlaveBoard)
1x	USB 2.0 (host only, USB A receptacle)
1x	ethernet (for service purposes)
1x	RS-232 (for service purposes)
Internal pressure sensors	
1x	integrated pressure sensor Working range 0-4000 Pa (0-16 in. WG)
Electrical data	
Input voltage	100-240 VAC, 50-60Hz
Internal operating voltage	24 VDC
Power consumption	max. 60W
Ambient conditions	
Operating temperature:	Filter pressure sensor:
• min.	internal: 0°C (32°F) external: -20°C (-4°F)
• nom.	+20°C (68°F) +20°C (68°F)
• max.	+50°C (122°F) +50°C (122°F)
Max. relative humidity	80%
Outdoor use allowed	yes

Storage conditions	• -20-50°C (-4-122°F) • relative humidity max. 80%
Guidelines & standards	
EMC 2014/30 EU	LVD 2014/35 EU
EN 61000-6-2	IEC 60204-1
EN 61000-6-4	IEC 61131-2
	IEC 61439-1
Approvals & certificates	
	
	ref. UL-508A

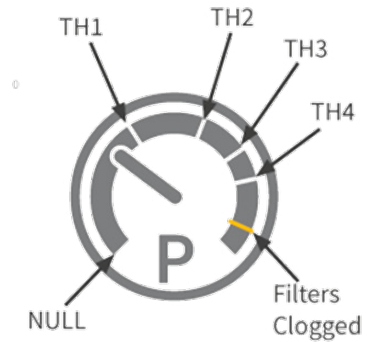
Control/SlaveBoard	
Physical dimensions and properties	
Material (housing)	PC/ABS
Dimensions	175 x 175 x 75 mm (6.9 x 6.9 x 3 in.)
Internal connectors	
2x	CAN + power (max. 24 VDC, 2,5A)
Electrical data	
Operating voltage	24 VDC (+/- 15%)
Current	max. 2,5 A
Ambient conditions	
<i>The ambient conditions of the MDB or SCS filter system apply</i>	
Guidelines & standards	
EMC 2014/30 EU	LVD 2014/35 EU
EN 61000-6-2	IEC 60204-1
EN 61000-6-4	
Approvals & certificates	
	

General	
Where used	
MDB GO	central filter system
SCS GO	
Product combinations	
Extraction fan:	
• SIF (Outdoor)	• extraction fan
• FRAME SIF	• fan mounting frame
Fan control equipment:	
• VFD/Panel (recommended)	• frequency inverter
• VFD / other type	• frequency inverter (third party)
• star-delta switch	• fan start/stop
Options and accessories	
LightTower	external warning device
PT-2500	external pressure transmitter
Dustbin level indicator	switch or sensor (future development)
Scope of supply	
<i>ControlGo forms an integral part of the filter systems MDB GO and SCS GO</i>	
	
	
ControlGo/Panel	
Panel (control panel) Double-bit key Mounting bracket (4), incl. mounting material Pneumatic hoses, incl. mounting material Installation and user manual Electrical diagram UL compliance sticker	
Connection cables: Panel → SlaveBoard cable, incl. cable gland, termination plug and heat shrinking tubes SlaveBoard → SlaveBoard cable, incl. cable glands	
Control/SlaveBoard	
<i>Integrated on MDB</i>	
Installation distance	
Filter system to Panel	max. 10 m (32.8 ft.)

Order information

ControlGo forms an integral part of the filter systems MDB GO and SCS GO

FEATURES & BENEFITS



Threshold value	Pressure	Offline cycles	Delay	Online cycles
MDB GO				
1	800 Pa	2	4 h	4
2	1000 Pa	4	2 h	8
3	1200 Pa	5	1 h	12
4	1400 Pa	continuous filter cleaning		
	1300 Pa	pressure fallback		
	1600 Pa	filters clogged		
SCS GO				
1	1000 Pa	1	4 h	2
2	1200 Pa	2	2 h	4
3	1400 Pa	3	1 h	6
4	1600 Pa	continuous filter cleaning		
	1500 Pa	pressure fallback		
	2000 Pa	filters clogged		

Automatic progressive filter cleaning for a longer filter life and lower operational costs



Preferred fan control equipment: VFD/Panel

- Prepared for use with ControlGo
- Main switch to de-energize the entire filter system, thus complying with CE safety requirements

Frequency inverter VFD/Panel

Product type	ControlGo
Article no.	n/a
Product category	control equipment
Version	210119/E

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