INSTALLATION GUIDE: GD Connect 4

SAFETY WARNING

Do not install the GD Connect 4 until you and all personnel concerned have read and understood this installation guide.

Installation may only be done by trained personnel according to safe engineering practices and with the observance of all relevant local health and safety requirements and regulations.

A requirement of fault-free installation and fulfillment of any rights to claim under guarantee is that documentation is observed.
In case of doubt, contact the product supplier.

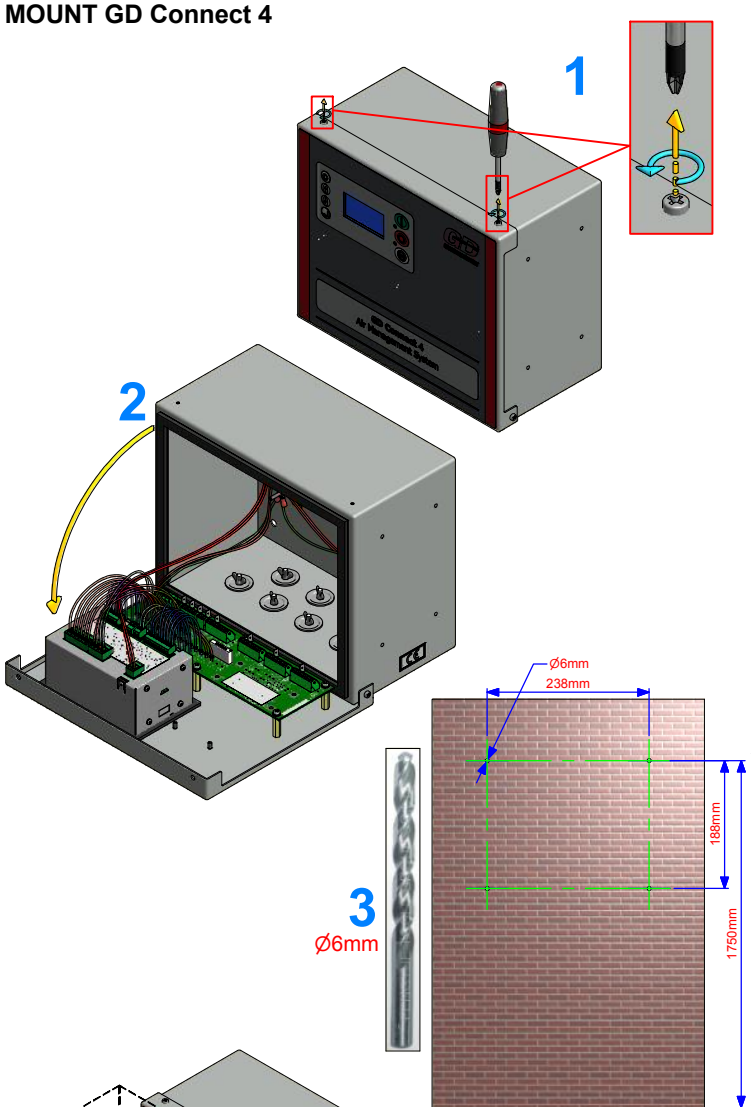
This document is subject to changes without notice. If in doubt, do not proceed!

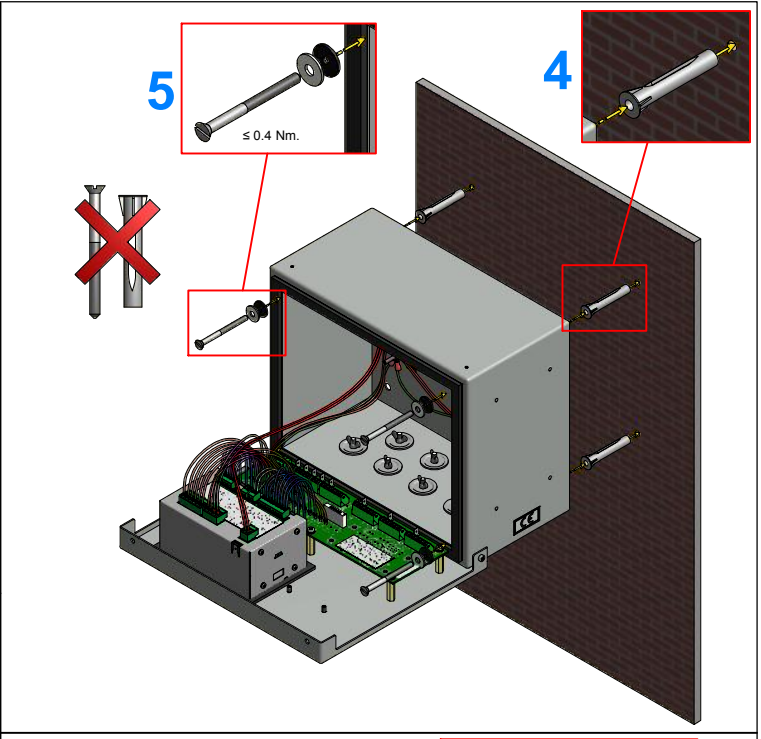
Electrical hazard:
Possible consequences: severe or fatal injuries.

Pressure hazard:
Possible consequences: severe or fatal injuries.

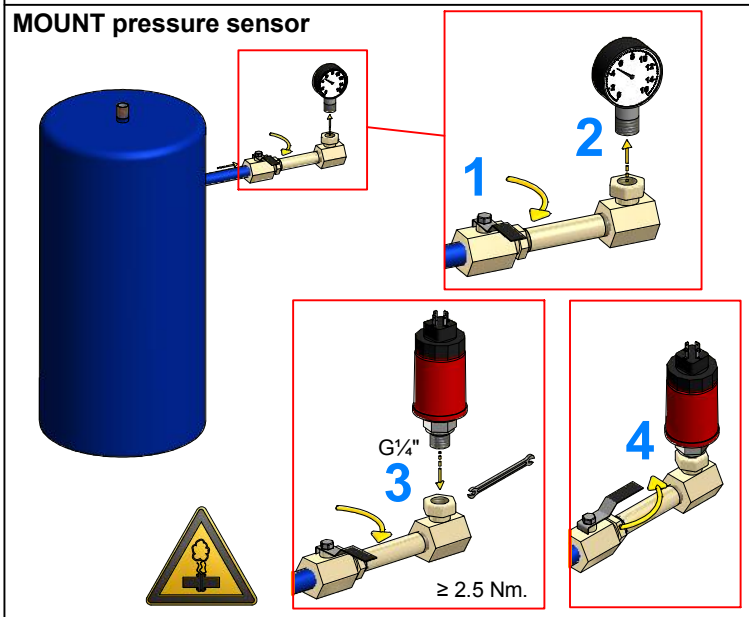
ESD hazard
Possible consequences: Damage to GD Connect 4.

MOUNT GD Connect 4

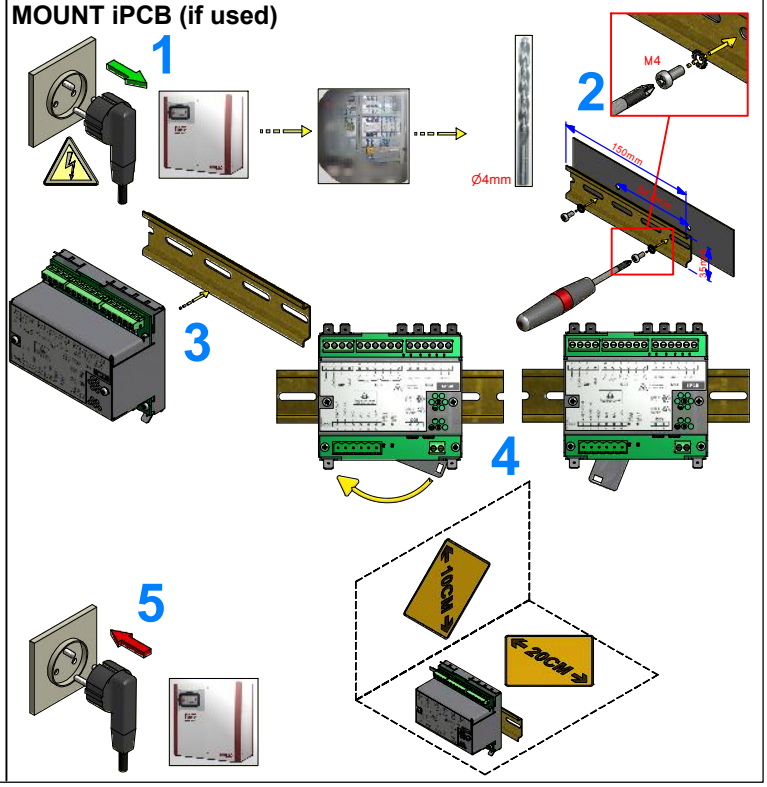




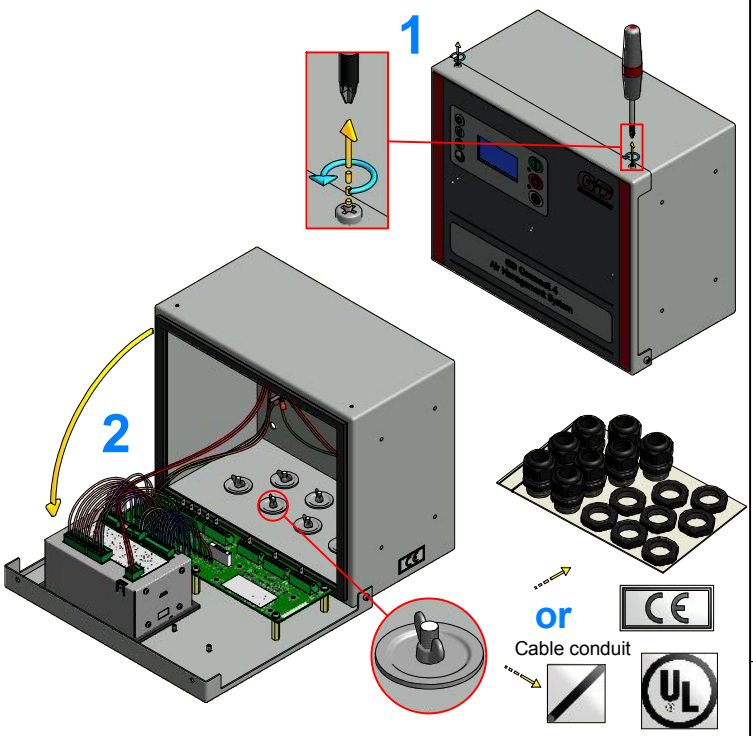
MOUNT pressure sensor



MOUNT iPCB (if used)



ELECTRICAL INSTALLATION of GD Connect 4



GD Connect 4 PIN identification

Con. PCB				Goes to					Con. PCB				Goes to			
X No.	Pin No.	Name	Pin No.	Description	X No.	Pin No.	Name	Pin No.	Description
X01	1	i-PCB 1 (CO3)	1	Sequencer Relay	X05	25	Pressure sensor	3	
	2		2	Load Relay		26		1	
	3		3	Ground	X06	27	Airbus485™	L1	RS485 network Communication
	4		4	Alarm/Service		28		L2	
	5		5	Ready / Run		29		L1	
	6		6	Supply +20VDC		30		L2	
X02	7	i-PCB 2 (CO3)	1	Sequencer Relay	X07	31	Aux. Input #1		Volt-free contact(min. 24VDC @ 10mA)
	8		2	Load Relay		32			
	9		3	Ground	X08 of terminal strip	33	Aux. Output #1		Remote relay contact (240V 'CE' / 115V 'UL' @ 5A max.)
	10		4	Alarm/Service		34			
	11		5	Ready / Run		35			
	12		6	Supply +20VDC		36			
X03	13	i-PCB 3 (CO3)	1	Sequencer Relay					
	14		2	Load Relay					
	15		3	Ground					
	16		4	Alarm/Service					
	17		5	Ready / Run					
	18		6	Supply +20VDC					
X04	19	i-PCB 4 (CO3)	1	Sequencer Relay					
	20		2	Load Relay					
	21		3	Ground					
	22		4	Alarm/Service					
	23		5	Ready / Run					
	24		6	Supply +20VDC					

Power Supply XPM-TAC24		Goes to				
X No.	Pin No.	Name	Pin No.	Description		
X01	1	Power supply cable	Neutral			
	2		Line			
	3		Earth			
	4		Earth			
X04	1	Voltage selection 115/230V	]	115V	]	230V
	2		]			
	3					
	4					
X08 of Airmaster T1	L1+	MODBUS Network				
	L2-					

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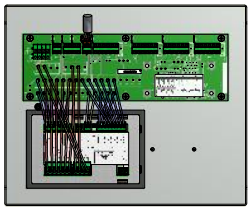

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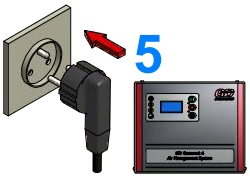
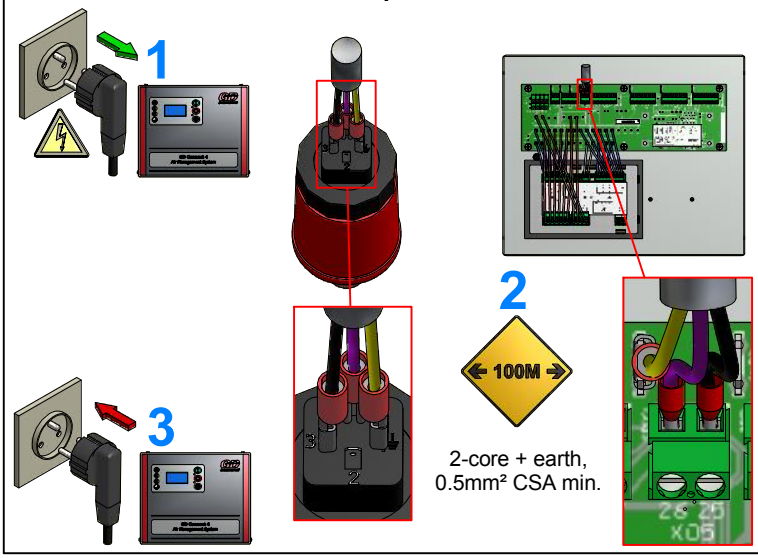
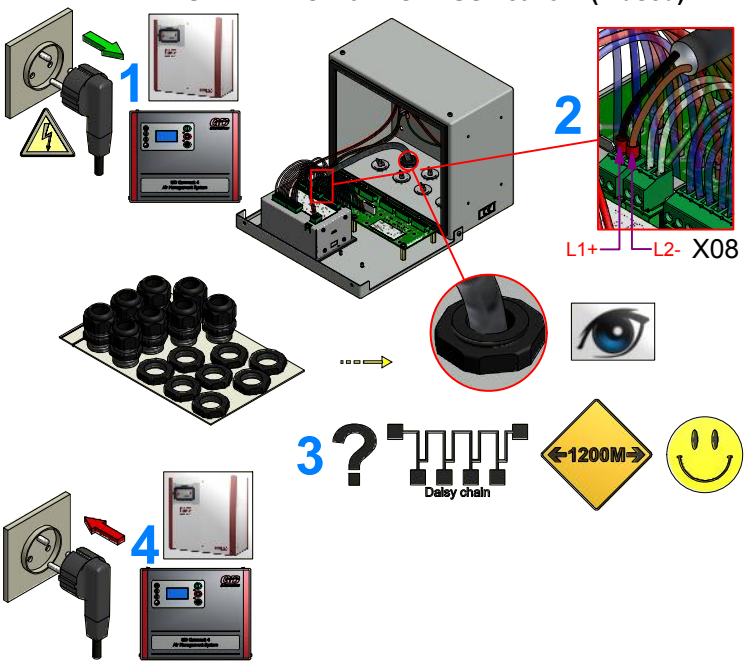
XPM-TAC24
Voltage selection X04



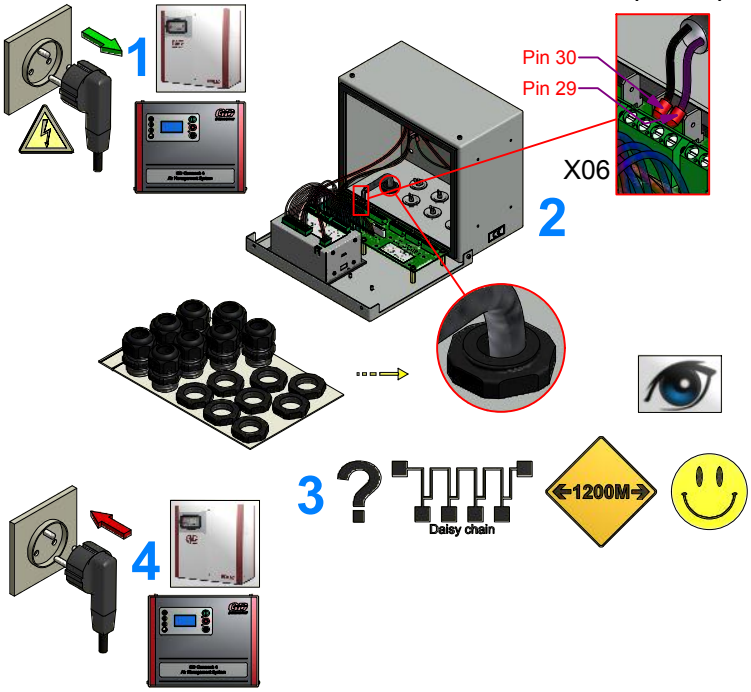
ELECTRICAL INSTALLATION of pressure sensor



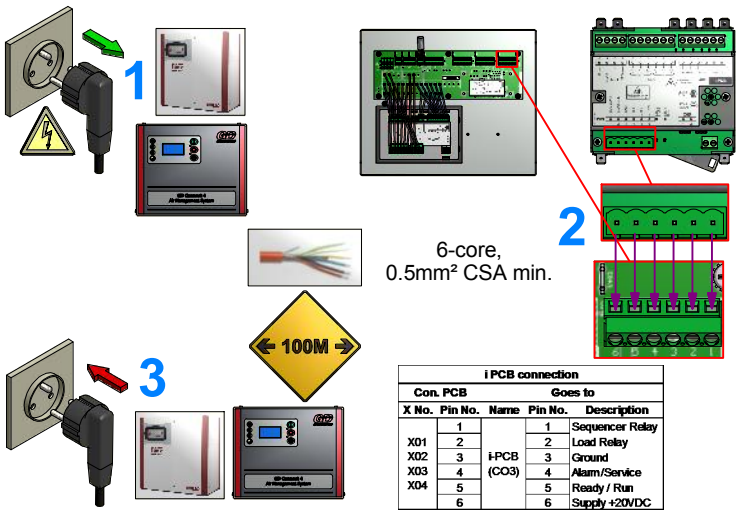
ELECTRICAL INSTALLATION of MODBUS network (if used)



ELECTRICAL INSTALLATION of Airbus485™ network (if used)



ELECTRICAL INSTALLATION of iPCB with GD Connect 4



i PCB connection

Con. PCB			Goes to	
X No.	Pin No.	Name	Pin No.	Description
X01	1	i-PCB (CO3)	1	Sequencer Relay
X02	2		2	Load Relay
X03	3		3	Ground
X04	4		4	Alarm/Service
	5		5	Ready / Run
	6		6	Supply +20VDC

ELECTRICAL INSTALLATION of iPCB with host air compressor

Consult
www.ipcbcomp-connection.info