

Technical Data Sheet



CK197 PENDANT CONTROL KIT

Electropneumatic Controls

The CK197 is used to control the functions of a truck and trailer or B-Double tipping system.

The kits included solenoid valve bank is mounted on the chassis, with the provided loom connecting the valve bank to the 14 core 2m lead of the pendant in the cabin.

The pendant is furnished with large buttons that are programmable to suit varying applications. With 10 possible outputs, combined with the 2-step buttons, it makes for an easy upgrade to a two speed lower system (tipping valve dependant). With the E-Stop button it complies with VSB6 version 3.2 Section J4.

With only the pendant control located in the cabin, the tipping operations can be controlled from any convenient location.

Product Features

- **E-Stop Button**
To comply with VSB6 Ver3.2 Sect J4.
- **2 Step Buttons**
Simple fast and slow lower function (tipping valve dependant).
- **Versatile**
Can be used with 2 spool valve or single tipper and diverter valve.
- **Programmable**
Swap between different function modes.
- **Pre packaged system kit**
Everything provided for installation.
- **Colour coded wiring**
Easy installation, therefore saves money.
- **Compact design**
No unsightly “bolt on” inside a new cab.
- **LED Status beside each button**
Easy to see operating function.



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Solenoid Direct Operated Poppet Valve - Normally Closed	
Operating Pressure	5-10 bar (72 to 145 psi)
Orifice	2.1mm
Power Consumption	8.7W (12V @ 0.73A - 24V @ 0.36A)
Protection Class	IP6K9K
Connector	2 Terminal Tyco HDSCS
Operating Temperature	-40 to 85°C Air must be dry to avoid ice formation at temperatures below 2°C
Valve Body	PA glass filled
Internal Parts	Stainless Steel
Seals	HNBR

Pendant Controller	
No. of Buttons	8 x 2-step
No. of Outputs	10 (maximum)
Max. Current for all Outputs	10A
Max. Current per Output	3A
Protection Class	IP67
Operating Temperature	-20 to 50°C
Dimensions	160 x 76 x 37mm
Weight	295g
Mounting Bracket (Optional)	50000305
Mounting Bracket (Optional)	MK1225

Note: The valves are rated to a maximum air pressure of 10 Bar. It is necessary to install a pressure regulator on vehicles with a higher pressure.

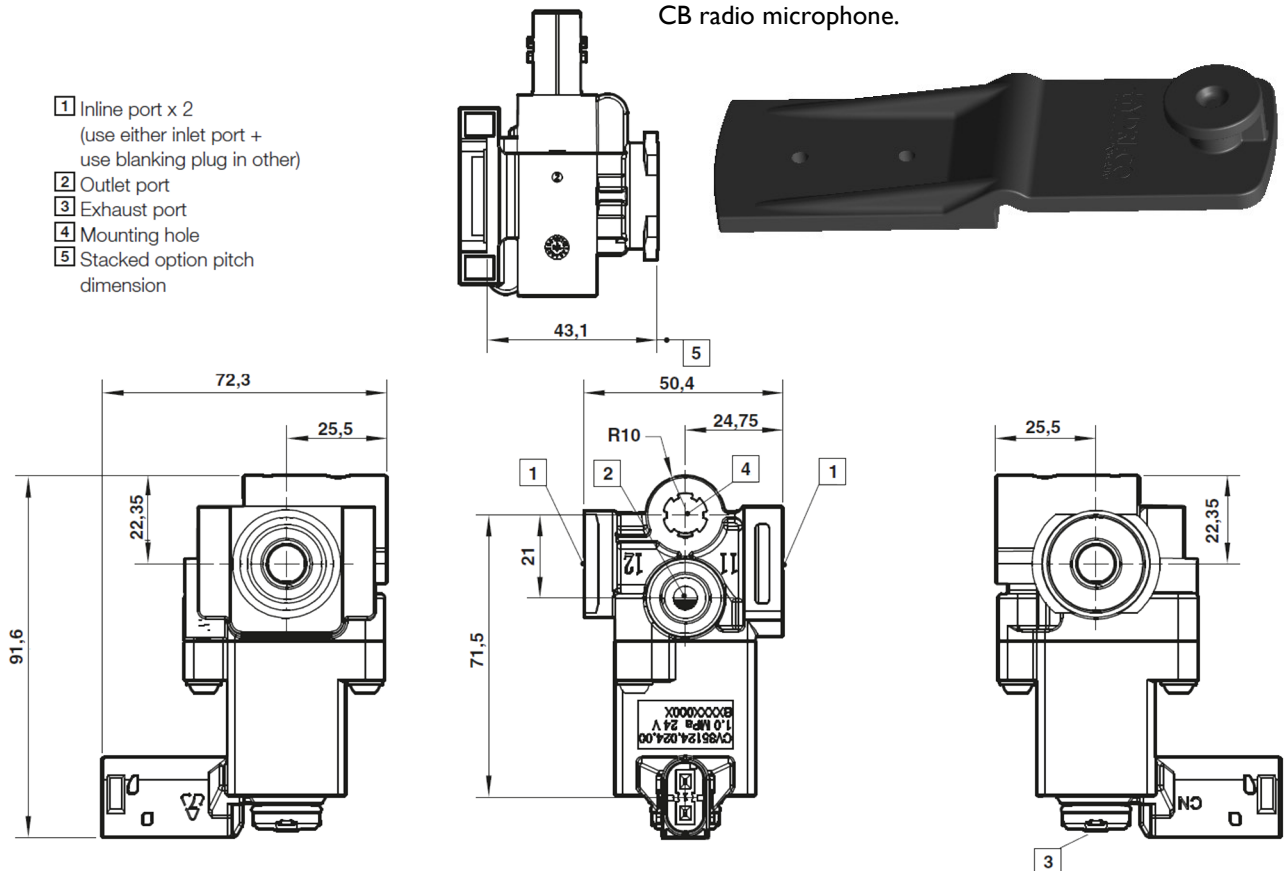
Operating at higher than 10 Bar will void the warranty.

50000305 mounting bracket utilises the standard belt clip



MK1225 replaces the standard belt clip and mounts like a CB radio microphone.

- 1 Inline port x 2
(use either inlet port + use blanking plug in other)
- 2 Outlet port
- 3 Exhaust port
- 4 Mounting hole
- 5 Stacked option pitch dimension



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CONTROL KIT DESIGNATION CODES

Pendant Series - End Tipper

CK 197 F - PG04 AF 030

Identifier

CK = Control Kit

Kit Series

197

Voltage

F = 12V

G = 24V

Application

See Table

Button Function

Code from Table of Momentary and Latching Functions for Application

Session Timeout

000 = No timeout

006 = 6 minutes (standard)

or 3 digit figure in minutes within the range 1-239

Application	PG01	PG02	PG02S	PG03
Function	Truck & Trailer	Truck & Trailer	Single Tipper	B-Double
Valves Used	Two Spool Valve	Two Spool Valve	One Spool Valve	One Spool Valve + Diverter
Notes	Can operate both tippers simultaneously	Only operate one tipper at a time		
Skin				
Application	PG04	PG05	PG05S	PG06
Function	Truck & Trailer	Truck & Trailer	Single Tipper	B-Double
Valves Used	Two Spool Valve w/- Slow Lower	Two Spool Valve w/- Slow Lower	One Spool Valve w/- Slow Lower	One Spool Valve + Diverter
Notes	Can operate both tippers simultaneously	Only operate one tipper at a time		w/- Slow Lower
Skin				



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Button Function - Table of Momentary and Latching Functions

Application	Tip Raise	Tip Slow Lower	Tip Lower	Tip 2 Raise	Tip 2 Slow Lower	Tip 2 Lower	Code
PG01	M	-	M	M	-	M	A
	M	-	M	M	-	L	B
	M	-	M	L	-	L	C
	M	-	M	L	-	M	D
	M	-	L	L	-	L	E
	M	-	L	M	-	L	F
	M	-	L	M	-	M	G
	M	-	L	L	-	M	H
	L	-	L	L	-	L	I
	L	-	L	L	-	M	J
	L	-	L	M	-	M	K
	L	-	L	M	-	L	L
	L	-	M	M	-	M	M
	L	-	M	L	-	M	N
L	-	M	L	-	L	O	
L	-	M	M	-	L	P	
PG02	M	-	M	-	-	-	A
PG02S	M	-	L	-	-	-	B
PG03	L	-	L	-	-	-	C
	L	-	M	-	-	-	D
PG05 PG05S PG06	M	M	M	-	-	-	A
	M	M	L	-	-	-	B
	M	L	L	-	-	-	C
	M	L	M	-	-	-	D
	L	L	L	-	-	-	E
	L	L	M	-	-	-	F
	L	M	M	-	-	-	G
	L	M	L	-	-	-	H

Application	Tip Raise	Tip Slow Lower	Tip Lower	Tip 2 Raise	Tip 2 Slow Lower	Tip 2 Lower	Code
PG04	M	M	M	M	M	M	AA
	M	M	M	M	M	L	AB
	M	M	M	M	L	L	AC
	M	M	M	L	L	L	AD
	M	M	L	L	L	L	AE
	M	L	L	L	L	L	AF
	M	M	M	M	L	M	AG
	M	M	M	L	L	M	AH
	M	M	M	L	M	M	AI
	M	M	M	L	M	L	AJ
	M	M	L	L	L	M	AK
	M	M	L	L	M	M	AL
	M	M	L	L	M	L	AM
	M	M	L	M	M	M	AN
	M	M	L	M	M	L	AO
	M	M	L	M	L	L	AP
	M	M	L	M	L	M	AQ
	M	L	L	L	L	M	AR
	M	L	L	L	M	M	AS
	M	L	L	L	M	L	AT
	M	L	L	M	M	M	AU
	M	L	L	M	M	L	AV
	M	L	L	M	L	M	AW
	M	L	L	M	L	L	AX
	M	L	M	M	M	M	AY
	M	L	M	M	M	L	AZ
	M	L	M	M	L	M	BA
	M	L	M	L	L	M	BB
	M	L	M	L	L	L	BC
	M	L	M	L	M	M	BD
	M	L	M	L	M	L	BE
	M	L	M	M	L	L	BF

Application	Tip Raise	Tip Slow Lower	Tip Lower	Tip 2 Raise	Tip 2 Slow Lower	Tip 2 Lower	Code
PG04 Cont.	L	L	L	L	L	L	BG
	L	L	L	L	L	M	BH
	L	L	L	L	M	M	BI
	L	L	L	M	M	M	BJ
	L	L	M	M	M	M	BK
	L	M	M	M	M	M	BL
	L	L	L	L	M	L	BM
	L	L	L	M	M	L	BN
	L	L	L	M	L	L	BO
	L	L	L	M	L	M	BP
	L	L	M	M	M	L	BQ
	L	L	M	M	L	L	BR
	L	L	M	M	L	M	BS
	L	L	M	L	L	L	BT
	L	L	M	L	L	M	BU
	L	L	M	L	M	M	BV
	L	L	M	L	M	L	VW
	L	M	M	M	M	L	BX
	L	M	M	M	L	L	BY
	L	M	M	M	L	M	BZ
	L	M	M	L	L	L	CA
	L	M	M	L	L	M	CB
	L	M	M	L	M	L	CC
	L	M	M	L	M	M	CD
	L	M	L	L	L	L	CE
	L	M	L	L	L	M	CF
	L	M	L	L	M	L	CG
	L	M	L	M	M	L	CH
	L	M	L	M	M	M	CI
	L	M	L	M	L	L	CJ
	L	M	L	M	L	M	CK
	L	M	L	L	M	M	CL

M = Momentary
L = Latching

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