

Hydraulics Network



ELECTRICAL CONTROLS

2023



OIL SOLUTIONS

PO Box 38
Strathfieldsaye, VIC, 3551
1800 OIL SOL
1800 645 765

sales@oilsolutions.com.au

www.oilsolutions.com.au

"For All Your Hydraulic Needs"

Pendant Controller Single Acting

Part #	List Price \$	Buttons	Function	Cord	IP Rating	Voltage	Connector	E-Stop
KCB21-03		2	S/A	3 mtr	55	5v - 48v	-	-

Note: Multi-function pendants can be converted to single-acting on request

Pendant Controller Double Acting

Part #	List Price \$	Buttons	Function	Cord	IP Rating	Voltage	Connector	E-Stop
KCB22-03		2	D/A	3 mtr	55	5v - 48v	-	-
KCB22-10		2	D/A	10 mtr	55	5v - 48v	-	-
KCB42-05		4	D/A	5 mtr	55	5v - 48v	-	-
KCB62-05		6	D/A	5 mtr	55	5v - 48v	-	-

Pendant Controller with E-Stop

Part #	List Price \$	Buttons	Function	Cord	IP Rating	Voltage	Connector	E-Stop
KCB32E-03		2	D/A	3 mtr	55	5v - 48v	-	Yes
KCB52E-05		4	D/A	5 mtr	55	5v - 48v	-	Yes
KCB72E-05		6	D/A	5 mtr	55	5v - 48v	-	Yes

Pendant Controller Quick Connect

Part #	List Price \$	Buttons	Function	Cord	IP Rating	Voltage	Connector	E-Stop
KCB21C-03C		2	S/A	3 mtr	55	5v - 48v	Yes	No
KCB22C-03C		2	D/A	3 mtr	55	5v - 48v	Yes	No

KCB Series for low voltage use only

Pendant Holsters

Part #	List Price \$	Description
KCB-BK		For use with all KCB pendants

KCB21-03



KCB22-03C



KCB-BK



KCB32E-05



KCB42-05



KCB22-03



Pendant Controller - CHARLIE

Buttons	IP Rating	Contact	Button Function	Max Signal Current	Max Input Current	Voltage
2	IP65	N/O	Momentary	3 amp	6 amp	250v AC

Pendant Controller - CHARLIE (no E-Stop)

Part #	List Price \$	Function	Main Cord	Signal Cable	Plug	E-Stop
CHARLIE		No Loom	-	-	-	-
CHARLIE-21-03		Single Acting	3000mm	300mm	DIN 43650-A	-
CHARLIE-22-03		Double Acting	3000mm	300mm	DIN 43650-A	-

Pendant Controller - CHARLIE (with E-Stop)

Part #	List Price \$	Function	Main Cord	Signal Cable	Plug	E-Stop
CHARLIE-E		No Loom	-	-	-	Yes
CHARLIE-21-03E		Single Acting	3000mm	300mm	DIN 43650-A	Yes
CHARLIE-22-03E		Double Acting	3000mm	300mm	DIN 43650-A	Yes

All CHARLIE pendants can be customised to suit your needs!
See page 53



Electrical Control Footswitches

Part #	List Price \$	Buttons	Contact	Button Function	Cover	IP Rating	Voltage	Material
D324		1	NO/NC	Momentary	No	IP40	10 amp/24v AC/ AC15	ABS
D12142V0-M		1	NO/NC	Momentary	Yes	IP65	6 amp/240v AC/ AC15 4 amp/400v AC/ AC15	ABS Base Aluminium Cover



D12142V0-M



D324

Pendant Controller - ALPHA

IP Rating	Contact	Button Function	Max Signal Current	Max Input Current	Voltage
IP65	N/O	Momentary	3 amp	6 amp	250v AC

Pendant Controller - ALPHA (without Plug & Play & E-Stop)



Part #	List Price \$	Buttons	Function	Main Cord	Signal Cable	Plug	E-Stop
ALPHA-4		4	-	-	-	-	-
ALPHA-6		6	-	-	-	-	-
ALPHA-8		8	-	-	-	-	-
ALPHA-12		12	-	-	-	-	-

Pendant Controller - ALPHA (Plug & Play, no E-Stop)



Part #	List Price \$	Buttons	Function	Main Cord	Signal Cable	Plug	E-Stop
ALPHA-4-03		4	Double Acting	3000mm	3000mm	DIN 43650-A	-
ALPHA-6-03		6	Double Acting	3000mm	3000mm	DIN 43650-A	-
ALPHA-8-03		8	Double Acting	3000mm	3000mm	DIN 43650-A	-
ALPHA-12-03		12	Double Acting	3000mm	3000mm	DIN 43650-A	-

Pendant Controller - ALPHA (Plug & Play, with E-Stop)



Part #	List Price \$	Buttons	Function	Main Cord	Signal Cable	Plug	E-Stop
ALPHA-4-03E		4	Double Acting	3000mm	3000mm	DIN 43650-A	Yes
ALPHA-5-03E		5	Double Acting	3000mm	3000mm	DIN 43650-A	Yes
ALPHA-7-03E		7	Double Acting	3000mm	3000mm	DIN 43650-A	Yes
ALPHA-11-03E		11	Double Acting	3000mm	3000mm	DIN 43650-A	Yes

All ALPHA pendants can be customised to suit your needs!



Modular Controllers to suit CHARLIE & ALPHA

Pendant Controller Interchangeable Switches - Control Element



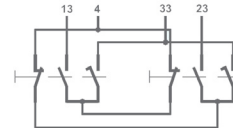
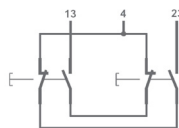
Part #	List Price \$	Description
PRTS000001		Single Push Button
PRTD000001		Double push button to suit PRTA2
PRSL1023PI		Blanking Plug
PRSL1009PI		Emergency Stop Mushroom Push Button
PRSL1012PI		Red Pilot Light
PRSL1013PI		Yellow Pilot Light
PRSL1014PI		Green Pilot Light
PRSL1015PI		Selector Switch 0/1 Spring Return
PRSL1016PI		Selector Switch 0/1 Maintained Positions
PRSL1026PI		Selector Switch 1/0/2 Spring Return
PRSL1027PI		Selector Switch 1/0/2 Maintained Positions
PRSL1017PI		Key Selector Switch 0/1 Maintained Positions
PRSL1024PI		Key Selector Switch 0/1 Spring Return



Pendant Controller Interchangeable Contacts - Single Switches



Part #	List Price \$	Current Rating	Description
PRSL1000PI		250v AC	1 NO
PRSL1001PI		250v AC	1 NC
PRSL1004PI		250v AC	Lamp Holder (Without Bulb)
PRSL1002PI		250v AC	Double Switch X 2
PRSL1003PI		250v AC	Double Switch X 3



Pendant Controller Button Disc Inserts



PRTA1000PI

PRTA1001PI

PRTA1002PI

PRTA1003PI



PRTA2004PI

PRTA2005PI

PRTA2006PI

PRTA2007PI

PRTA2008PI



PRTA2009PI

PRTA2010PI

PRTA2011PI

PRTA2014PI

PRTA2015PI

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Flex HANDY Wireless Pendant Controllers

Part #	List Price \$	Avail. Buttons	Output Relays	Frequency	Transmitting Power	Voltage	Enclosure Rating	Rechargeable Transmitter
FLEX HANDY-2S		2	4	433.050MHz ~ 434.575MHz	2.0mW	9~36VDC	IP66	No
FLEX HANDY-2SR		2	4	433.050MHz ~ 434.575MHz	2.0mW	9~36VDC	IP66	Yes

All FLEX units are supplied with a rubber guard

Field programmable via dip switches

Transmitter hook included

2SR model includes charging station



Flex HANDY Controller Accessories / Replacement Transmitter

Part #	List Price \$	Description
TXC-301		Replacement transmitter
TXC-301R		Replacement transmitter (rechargeable)
MLG-02		Receiver-mounted safety beacon
MBZ-02		Receiver-mounted safety horn



Flex MINI Wireless Pendant Controllers

Part #	List Price \$	Avail. Buttons	Output Relays	Frequency	Transmitting Power	Voltage	Enclosure Rating
FLEX MINI-M		8	8	433.050MHz ~ 434.575MHz	5mW	9~36VDC	IP66
TXC-70		Replacement Transmitter					

Field programmable via dip switches



Flex ECO Wireless Pendant Controllers

Part #	List Price \$	Avail. Buttons	Digital Outputs	Frequency	Voltage	Enclosure Rating	Rechargeable
FLEX ECO-4S		4	5	433.050MHz ~ 434.575MHz	9~36VDC	IP66	-
FLEX ECO-6S		6	7	433.050MHz ~ 434.575MHz	9~36VDC	IP66	-
FLEX ECO-8S		8	9	433.050MHz ~ 434.575MHz	9~36VDC	IP66	-
FLEX ECO-12S		12	13	433.050MHz ~ 434.575MHz	9~36VDC	IP66	-
NEW FLEX ECO-12X-MS		12	25	433.050MHz ~ 434.575MHz	9~36VDC	IP66	-
NEW FLEX ECO-4SR		4	5	433.050MHz ~ 434.575MHz	9~36VDC	IP66	Yes
NEW FLEX ECO-6SR		6	7	433.050MHz ~ 434.575MHz	9~36VDC	IP66	Yes
NEW FLEX ECO-8SR		8	9	433.050MHz ~ 434.575MHz	9~36VDC	IP66	Yes
NEW FLEX ECO-12SR		12	13	433.050MHz ~ 434.575MHz	9~36VDC	IP66	Yes
NEW FLEX ECO-12X-MSR		12	25	433.050MHz ~ 434.575MHz	9~36VDC	IP66	Yes

All FLEX units are supplied with a rubber guard



Field programmable
via dip switches

Flex ECO Controller Accessories / Replacement Transmitter

Part #	List Price \$	Description
TXC-101		4-button replacement transmitter
TXC-102		6-button replacement transmitter
TXC-103		8-button replacement transmitter
TXC-104		12-button replacement transmitter
NEW TXC-101R		4-button replacement transmitter (rechargeable)
NEW TXC-102R		6-button replacement transmitter (rechargeable)
NEW TXC-103R		8-button replacement transmitter (rechargeable)
NEW TXC-104R		12-button replacement transmitter (rechargeable)
CHR-106		Charging station
MBZ-02		Receiver-mounted safety beacon
MLG-02		Receiver-mounted safety horn
EAK-101		External antenna
NEW TPC-201		Flex Eco 4 transmitter padded casing w/ shoulder strap
NEW TPC-202		Flex Eco 6 transmitter padded casing w/ shoulder strap
NEW TPC-203		Flex Eco 8 transmitter padded casing w/ shoulder strap
NEW TPC-204		Flex Eco 12 transmitter padded casing w/ shoulder strap

Flex EPH Wireless Pendant Controllers

Part #	List Price \$	Available Buttons	Digital Outputs	Analogue Outputs	Frequency	Voltage
Flex 8EPH		8 stepless pushbuttons	12 digital outputs (SSR)	10 analog outputs (PWM and current)	921~927MHz	12-24v DC
Flex 12EPH		12 stepless pushbuttons	16 digital outputs	14 analog outputs (PWM and current)	921~927MHz	12-24v DC

All FLEX units are supplied with a rubber guard

- Current output rating 0~3 amp
- PWM output 0~100%
- Frequency 921.00 > 927.00 MHz
- Wiring harness as standard
- Plug and play wiring looms available on request (additional cost applies)



Independent adjustment
(ramp up/down)

Field programmable

Wireless remote pairing
& programming

Proportional stepless
pushbuttons

Proportional Stepless Pushbuttons

The innovated inductive-type proportional stepless pushbutton design provides precise and interference-free proportional stepless controls. The pushbutton is extremely reliable and durable for more than five million press cycles.

PWM and Current Receiver Outputs

The innovated receiver design provides easy configurations of receiver outputs with large display window for effortless system programming and status indications.

Flex EPH Controller Accessories / Replacement Transmitter

Part #	List Price \$	Description
TXC-501		8EPH replacment transmitter
TXC-502		12EPH replacment transmitter
CHR-206		Charging station
MBZ-02		Receiver-mounted safety beacon
MLG-02		Receiver-mounted safety horn
EAK-202		External antenna



Flex 2JB Wireless Pendant Controllers

Part #	List Price \$	Control Type	Digital Outputs	Analogue Outputs	Function Outputs	Voltage
NEW Flex 2JB-HRX-L		Stepless lever	12 outputs (SSR)	8 outputs (PWM & current)	2 analogue/digital outputs	12-24v DC
NEW Flex 2JB-HRX-J		Joystick dual access cross gate	12 outputs (SSR)	8 outputs (PWM & current)	2 analogue/digital outputs	12-24v DC

- Wireless charging system
- Frequency 921.00 > 927.00 MHz
- Standard w/ 7 one step buttons - additional configurations on request
- Programmable Transmitter Access Card (TAC) on request
- Current output rating 0~3 amp
- PWM output 0~100%
- Wiring harness as standard
- Plug and play wiring looms available on request (additional cost applies)

Field programmable

Independent adjustment
(ramp up/down)Wireless remote
pairing/programmingVariable pushbutton
switches available

Zero-G Sensor Embedded

The transmitter is embedded with a Zero-G sensor to guard against any unintended control of the crane or equipment when transmitter is thrown or dropped. When triggered, the entire system will shutdown with exception of the horn function. This function is programmed upon request only, not pre-set.

Flex 2JB Controller Accessories

Part #	List Price \$	Description
NEW SWT-604		2JB 3-position non-latching toggle switch complete with rubber boot & connector
NEW SWT-602		2JB 2-position non-latching toggle switch complete with rubber boot & connector
NEW SWT-601		2JB 2-position non-latching toggle switch complete with rubber boot & connector
NEW SWT-603		2JB 3-position non-latching toggle switch complete with rubber boot & connector
NEW MBZ-02		Receiver-mounted safety beacon
NEW MLG-02		Receiver-mounted safety horn
NEW EAK-202		External antenna
NEW TAC-201		TAC/RFID transmitter add-on board
NEW TAC-202		TAC transmitter access card



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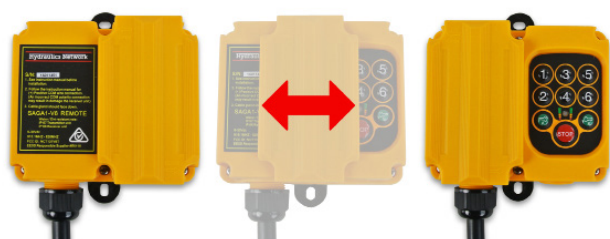
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Wireless Pendant Controllers

Part #	List Price \$	Voltage	Description
V6PR-4		12v or 24v compatible	Remote control set with override pad on receiver, 4 button transmitter
V6PR-6		12v or 24v compatible	Remote control set with override pad on receiver, 6 button transmitter
V6HS-4		12v or 24v compatible	4 button replacement transmitter
V6HS-6		12v or 24v compatible	6 button replacement transmitter

- Wiring harness as standard
- Plug and play wiring looms available on request (additional cost applies)

Controllers can be programmed at Hydraulics Network to achieve different requirements.



Plug & play kits available



Universal Electronic Driver

Part #	List Price \$	Voltage	Input Signal	Output Current	Mounting	Controls
UED-KA		9-36v DC	0-5v, 0-10v, 4-20mA	0-3 amp	DIN 43650-A	1 solenoid
UED-D		9-36v DC	0-5v, 0-10v, 4-20mA	0-3 amp	DIN rail (open)	1 or 2 solenoid

PWM output

Independent adjustments (ramp up/down)

Wide ramp time range

Display/adjust current & voltage values



UED-KA

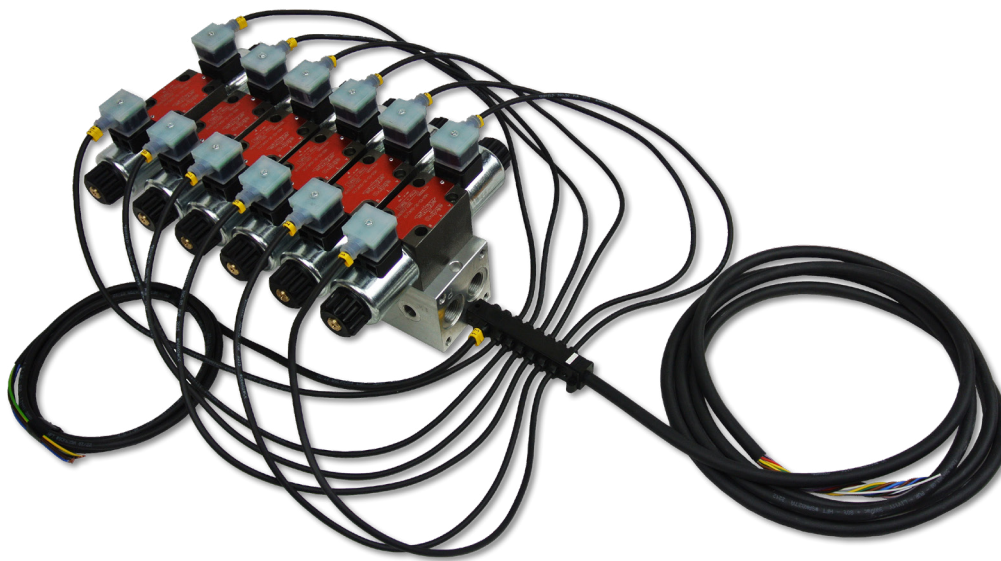


UED-D

Wiring Harness Kits

Part #	List Price \$	Signal Wires	Connection	Signal Cable Length	Main Cable Length	Power Input Lead	Voltage	Max Amp Signal Wire	Max Amp Common Wire
WLDP-1		1	DIN 43650-A	500mm	3000mm	2000mm	10-50 Vdc/AC	3 amp	6 amp
WLDP-2		2	DIN 43650-A	500mm	3000mm	2000mm	10-50 Vdc/AC	3 amp	6 amp
WLDP-4		4	DIN 43650-A	500mm	3000mm	2000mm	10-50 Vdc/AC	3 amp	6 amp
WLDP-6		6	DIN 43650-A	500mm	3000mm	2000mm	10-50 Vdc/AC	3 amp	6 amp
WLDP-8		8	DIN 43650-A	500mm	3000mm	2000mm	10-50 Vdc/AC	3 amp	6 amp
WLDP-12		12	DIN 43650-A	500mm	3000mm	2000mm	10-50 Vdc/AC	3 amp	6 amp

Note: all wiring harnesses are wired with a common AUX function to activate a starter solenoid or unload valve.



Available with 1-12
Hirschman plugs

IP67 rated

PUR cable (oil &
flame resistant)

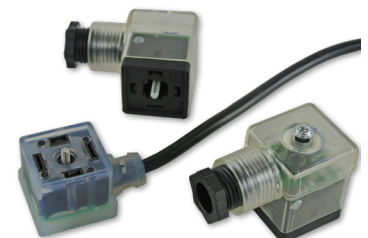
Reduces assembly time

Compact design

DIN Plugs

Part #	List Price \$	Description	DIN Size	Terminals	Body	LED
DP-IP67-AC/DC-250		1-250V AC+DC, IP67	DIN 43650-A	3	Clear	Yes
DP-IP67-AC/DC-38		1-38V AC+DC, IP67	DIN 43650-A	3	Clear	Yes
DP-IP67-AC/DC-3M		1-38V AC+DC, 3m Cable, IP67	DIN 43650-A	3	Clear	Yes
DP-LED-AC		AC	DIN 43650-A	3	Clear	Yes
DP-LED-DC		DC	DIN 43650-A	3	Clear	Yes
DP-REC-LV		Rectifier AC to DC (1-48v)	DIN 43650-A	3	Clear	Yes
DP-REC		Rectifier AC to DC (70-250v)	DIN 43650-A	3	Clear	No

Note: DIN 43650-A = ISO 4400



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sales@oilsolutions.com.au

MELBOURNE VICTORIA

- 📍 23 Quinlan Road, Epping, VIC 3076
- ✉️ sales@hydraulicsnetwork.com.au
- ☎️ 03 9399 8957

BRISBANE QUEENSLAND

- 📍 29 Annie Street, Coopers Plains, QLD 4108
- ✉️ salesqld@hydraulicsnetwork.com.au
- ☎️ 07 3277 5969

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