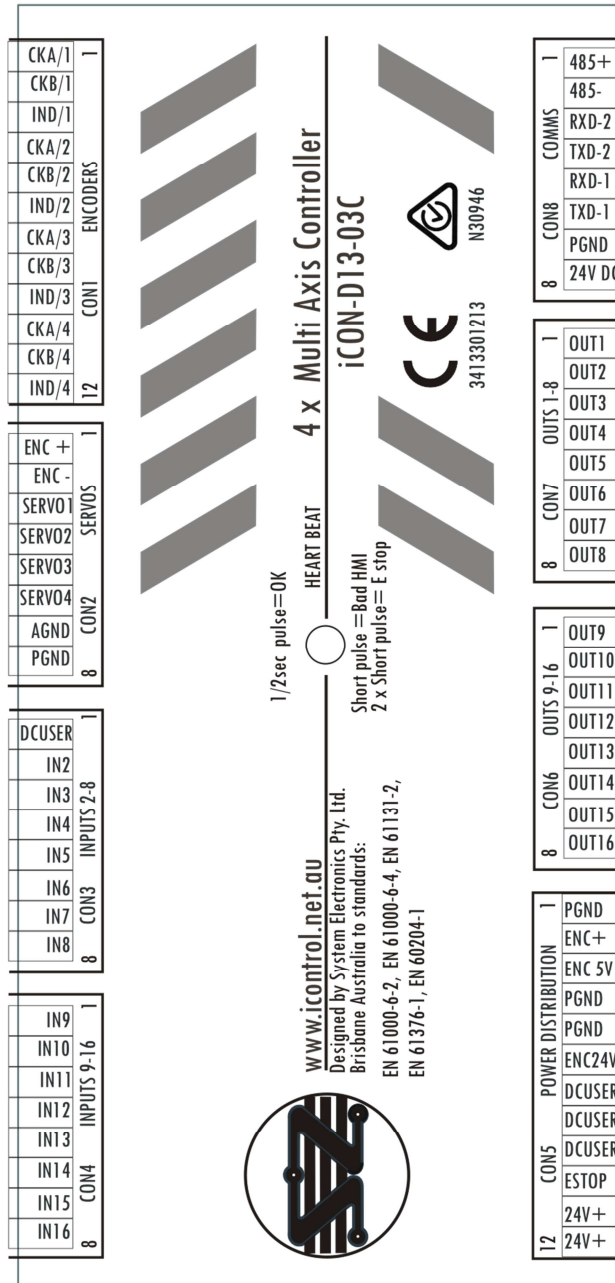


Wiring Schedule

iCON AP0103-03C

iCON Connections

DOC. WS0103 D13-03C Ver1.0 PC



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from **System Electronics Pty. Ltd.**
P.O. Box 51 Bellbowrie Qld. Australia ABN 30 009 888 402



CON 1		DATE:	BY:	
No.	Signal Name	Field Device	Wire no./col.	Comment
1	CKA/1	X Axis CK1		
2	CKB/1	X Axis CK2		
3	INDEX/1	X Axis Index		
4	CKA/2	Not used		
5	CKB/2	Not used		
6	INDEX/2	Not used		
7	CKA/3	Not used		
8	CKB/3	Not used		
9	INDEX/3	Not used		
10	CKA/4	Not used		
11	CKB/4	Not used		
12	INDEX/4	Not used		

CON 2		DATE:	BY:	
No.	Signal Name	Field Device	Wire no./col.	Comment
1	ENCPWR			5V or 24V DC see CON 5 for select
2	ENC GND			Encoder power ground
3	SERVO1 OUT	X Axis command		+/-10V,+0-10V,0-5V, see parameters
4	SERVO2 OUT	Not used		
5	SERVO3 OUT	Not used		
6	SERVO4 OUT	Not used		
7	SERVO GND			To VSD or Driver signal ground (0V)
8	POWER GND			

CON 3		DATE:	BY:	
No.	Signal Name	Field Device	Wire no./col.	Comment
1	DC_USER			Common 24V DC Inputs are High true. (24V)
2	ISOIN2	OK to GO		N.O.
3	ISOIN3	BLADE BOS		N.C. Close at bottom of stroke when no move
4	ISOIN4	BLADE TOS		N.C. Opens for when blade clear
5	ISOIN5	X JOG REV		N.O. Close for move REV
6	ISOIN6	X JOG FWD		N.O. Close for move FWD
7	ISOIN7	CLAMP GOOD		N.O. Close on good clamp
8	ISOIN8	Material sensed		N.O. Closes when material sensed.

CON 4		DATE:	BY:	
No.	Signal Name	Field Device	Wire no./col.	Comment
1	ISOIN9	CATCHER GO		N.O. Closes in catch position (home)
2	ISOIN10	CATCHER DROP		N.O. Closes in drop position
3	ISOIN11			
4	ISOIN12			
5	ISOIN13	OFF LOADER FULL		N.O. Closes when the off loader is full
6	ISOIN14	OFF LOADER RDY		N.O. Closes when off loader is ready again
7	ISOIN15	X -EOT		N.C. Opens when activated
8	ISOIN16	X + EOT		N.C. Opens when activated

CON 8				
DATE:		BY:		
No.	Signal Name	Field Device	Wire no./col.	Comment
1	RS485+			MODBUS +
2	RS485-			MODBUS -
3	RXD-2			
4	TXD-2			
5	RXD-1	HMI		TO HMI DB9/3
6	TXD-1	HMI		TO HMI DB9/2
7	PWR GND	HMI		GND for HMI + Connect to DB9/5.
8	24V DC IN	HMI		24V DC for HMI

CON 7				
DATE:		BY:		
No.	Signal Name	Field Device	Wire no./col.	Comment
1	OUT1	X AXIS ENABLE		
2	OUT2	BLADE DOWN		
3	OUT3	BLADE UP		Hydraulic control
4	OUT4	CLAMP ON		Hydraulic control
5	OUT5	X FAST FWD		For 2 speed VSD
6	OUT6	X FAST REV		For 2 speed VSD
7	OUT7	X SLOW FWD		For 2 speed VSD
8	OUT8	X SLOW REV		For 2 speed VSD

CON 6				
DATE:		BY:		
No.	Signal Name	Field Device	Wire no./col.	Comment
1	OUT9	CATCHER GO		Move catcher to catch position
2	OUT10	CATCHER UP		Move catcher to Drop position
3	OUT11	OFF LOADER FAST		Run off loader at fast speed
4	OUT12	OFF LOADER SLOW		Run off loader at slow speed
5	OUT13	OFF LOADER REV		Run off loader in reverse
6	OUT14	Not used		
7	OUT15	JOB DONE		
8	OUT16	SUPPLY ON		

CON 5				
DATE:		BY:		
No.	Signal Name	Field Device	Wire no./col.	Comment
1	PWR GND			24V SUPPLY GROUND
2	ENCODER PWR			Linked from CON5/7 or CON5/10
3	ENCODER 5V			Link to CON5/11 for encoder pwr 5v @ 0.6A
4	PWR GND			24V SUPPLY GROUND
5	PWR GND			24V SUPPLY GROUND
6	ENCODER 24V			Link to CON5/11 for encoder pwr 24v @0.6A
7	DC USER			24V User supply
8	DC USER			24V User supply
9	DC USER			24V User supply
10	E STOP2			E Stop interrupts 24V supply
11	24V DC IN			24V supply max 6.5A
12	24V DC IN			24V supply max 6.5A