

READ FIRST!!

YRC1000micro GPIO and Direct-IN Connections

WELCOME...

Use this READ FIRST!! YRC1000micro GPIO and Direct-IN Connections in place of the information supplied in the manuals.

CUSTOMER SERVICE INFORMATION

If needing technical assistance, contact the Customer Support at 937.847.3200. When calling have the following information ready: Robot Type, Application Type, Software Version, Robot Serial Number, and Robot Sales Order Number

SPECIFIC IO ENABLED FOR MotoMini, GP7, GP8, and GP12 Robots

Digital I/O GPIO Interface with a 50 Terminal Breakout Card

*Interface assembly part number: 185558-1

Logical Number	Signal	Name	Breakout Card Terminal Number
—	—	Direct in common	1
—	—	Direct in 1	2
—	—	Direct in 2	19
—	—	Direct in 3	3
—	—	Direct in 4	20
—	—	Input common 3_24V	6
20010	IN 1	EXTERNAL START	7
20011	IN 2	EXTERNAL HOLD	24
20012	IN 3	CALL MASTER JOB	8
20013	IN 4	ALARM ERROR RESET	25
20014	IN 5	EXTERNAL SERVO ON	9
20015	IN 6	SELECT PLAY MODE	26
20016	IN 7	SELECT TEACH MODE	10
20017	IN 8	General Purpose Input 8	27
—	—	+24VU	11
—	—	+24VU	28
—	—	+24VU	15
—	—	+24VU	42
—	—	+24VU	48
—	—	+24VU	32
—	—	+24VU	43
30010	OUT1	RUNNING	12
30011	OUT2	SERVO IS ON	29
30012	OUT3	TOP OF MASTER JOB	13
30013	OUT4	ALARM/ERROR OCCURED	30
30014	OUT5	BATTERY ALARM	16
30015	OUT6	REMOTE MODE SELECTED	33
30016	OUT7	PLAY/TEACH MODE SELECTED	17
30017	OUT8	General Purpose Output 8	50
—	—	024VU	18
—	—	024VU	23

SPECIFIC IO DISABLED FOR MotoMini, GP7, GP8, and GP12 Robots

Digital I/O GPIO Interface with a 50 Terminal Breakout Card

*Interface assembly part number: 185558-1

Logical Number	Signal	Name	Breakout Card Terminal Number
—	—	Direct in common	1
—	—	Direct in 1	2
—	—	Direct in 2	19
—	—	Direct in 3	3
—	—	Direct in 4	20
—	—	Input common 3_24V	6
20010	IN 1	General Purpose Input 1	7
20011	IN 2	General Purpose Input 2	24
20012	IN 3	General Purpose Input 3	8
20013	IN 4	General Purpose Input 4	25
20014	IN 5	General Purpose Input 5	9
20015	IN 6	General Purpose Input 6	26
20016	IN 7	General Purpose Input 7	10
20017	IN 8	General Purpose Input 8	27
—	—	+24VU	11
—	—	+24VU	28
—	—	+24VU	15
—	—	+24VU	42
—	—	+24VU	48
—	—	+24VU	32
—	—	+24VU	43
30010	OUT1	General Purpose Output 1	12
30011	OUT2	General Purpose Output 2	29
30012	OUT3	General Purpose Output 3	13
30013	OUT4	General Purpose Output 4	30
30014	OUT5	General Purpose Output 5	16
30015	OUT6	General Purpose Output 6	33
30016	OUT7	General Purpose Output 7	17
30017	OUT8	General Purpose Output 8	50
—	—	024VU	18
—	—	024VU	23

SPECIFIC IO DISABLED HC10DT ROBOTS

Digital I/O GPIO Interface with a 50 Terminal Breakout Card

*Interface assembly part number: 185558-2

Logical Number	Signal	Name	Breakout Card Terminal Number	
—	—	Direct in common	1	
—	—	Direct in 1	2	
—	—	Direct in 2	19	
—	—	Direct in 3	3	
—	—	Direct in 4	20	
—	—	Input common 3_24V	—	Internally connected to +24VU in Controller
20010	—	General Purpose Input 1	—	
20011	—	General Purpose Input 2	—	
20012	—	General Purpose Input 3	—	
20013	IN 4	General Purpose Input 4	25	
20014	IN 5	General Purpose Input 5	9	
20015	IN 6	General Purpose Input 6	26	
20016	IN 7	General Purpose Input 7	10	
20017	IN 8	General Purpose Input 8	27	
—	—	+24VU (HC10DT Reserved)	—	Internally connected in the Controller for HC10DT
—	—	+24VU (HC10DT Reserved)	—	Internally connected in the Controller for HC10DT
—	—	+24VU	15	
—	—	+24VU	42	
—	—	+24VU	48	
—	—	+24VU	32	
—	—	+24VU	43	
30010	—	HC10DT Reserved LED	—	Internally connected in the Controller for HC10DT
30011	OUT2	General Purpose Output 2	29	
30012	OUT3	General Purpose Output 3	13	
30013	OUT4	General Purpose Output 4	30	
30014	OUT5	General Purpose Output 5	16	
30015	OUT6	General Purpose Output 6	33	
30016	OUT7	General Purpose Output 7	17	
30017	OUT8	General Purpose Output 8	50	
—	—	024VU	—	
—	—	024VU	23	

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