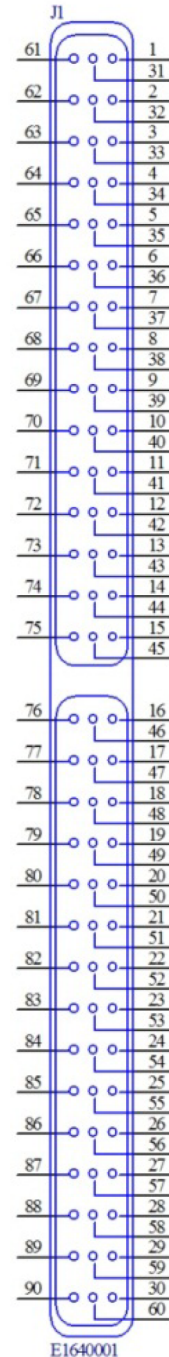


Wiring Instructions MPC-20 Controller

PIN Specifications for FCI Connection

Pin #	Pin Assignments	Pin #	Pin Assignments	Pin #	Pin Assignments
1	SW_BATT	31	BATT	61	BATT
2	GND	32	GND	62	GND
3	AN1_IN	33	DIG_IN1	63	DIG_IN2
4	AN2_IN	34	DIG_IN3	64	DIG_IN4
5	AN3_IN	35	DIG_IN5	65	DIG_IN6
6	AN4_IN	36	Reserved	66	HS_2A_OUT_1
7	AN5_IN	37	Reserved	67	HS_2A_OUT_2
8	AN6_IN	38	Reserved	68	Reserved
9	AN7_IN	39	Reserved	69	FREQ_IN
10	AN8_IN	40	AN_OUT	70	GND
11	Reserved	41	Reserved	71	Reserved
12	RS485_L	42	Reserved	72	CAN1L
13	RS485_H	43	Reserved	73	CAN1H
14	ETH_TD_P	44	ETH_TD_N	74	CAN2L
15	ETH_RD_P	45	ETH_RD_N	75	CAN2H
16	USB_DP_OUT	46	USB_DM_OUT	76	USB1_VBUS
17	USB_GND	47	USB_SHLD	77	USB_ID_OUT
18	RLY4_NC	48	Reserved	78	RLY1_NC
19	RLY4_COM	49	Reserved	79	RLY1_COM
20	RLY4_NO	50	Reserved	80	RLY1_NO
21	Reserved	51	Reserved	81	Reserved
22	RLY5_NC	52	Reserved	82	RLY2_NC
23	RLY5_COM	53	Reserved	83	RLY2_COM
24	RLY5_NO	54	Reserved	84	RLY2_NO
25	Reserved	55	Reserved	85	Reserved
26	RLY6_NC	56	Reserved	86	RLY3_NC
27	RLY6_COM	57	Reserved	87	RLY3_COM
28	RLY6_NO	58	Reserved	88	RLY3_NO
29	LS_1A_OUT_1	59	Reserved	89	HS_5V_OUT_1
30	LS_1A_OUT_2	60	Reserved	90	HS_5V_OUT_2



Wiring of this device must meet all applicable electrical codes.

Battery lines to the unit must all come through a single 10 Amp or less fuse or circuit breaker to retain the controller's CSA rating.