

RV Monitoring System I/O Assignments For PIC 16F76

RA0 Pin 02	Scaled Battery Voltage Analog Input		RB5 Pin 26	Display #1 & #2 E Display Pin 06 Through Data Selector See RB6
RA1 Pin 03	Gray Tank Water Level Highest #3 L = Water H = No Water Analog Input		RB6 Pin 27	Display Select H = Outside / L = Inside Switched in Hardware 74HC157
RA2 Pin 04	Inside Button L = Pressed H = Not Pressed		RB7 Pin 28	Outside Button L = Pressed H = Not Pressed
RA3 Pin 05	Fresh Tank Water Level Highest #3 L = Water H = No Water Analog Input		RC0 Pin 11	Fresh Tank Water Level Low #1 RB6 = 0 Gray Tank Water Level Mid #2 RB6 = 1 L = Water H = No Water
RA4 Pin 06	Outside DS1820 Digital Temp Sensor		RC1 Pin 12	Fresh Tank Water Level Low #1 RB6 = 0 Gray Tank Water Level Mid #2 RB6 = 1 L = Water H = No Water
RA5 Pin 07	Inside DS1820 Digital Temp Sensor		RC2 Pin 13	RTC Enable
RB0 Pin 21	Display #1 & #2 D4 Display Pin 11		RC3 Pin 14	RTC Clock
RB1 Pin 22	Display #1 & #2 D5 Display Pin 12		RC4 Pin 15	RTC Data
RB2 Pin 23	Display #1 & #2 D6 Display Pin 13		RC5 Pin 16	ALARM Output
RB3 Pin 24	Display #1 & #2 D7 Display Pin 14		RC6 Pin 17	Backlight Display #1 Control L = Off H = On
RB4 Pin 25	Display #1 & #2 RS Display Pin 04		RC7 Pin 18	Backlight Display #2 Control L = Off H = On