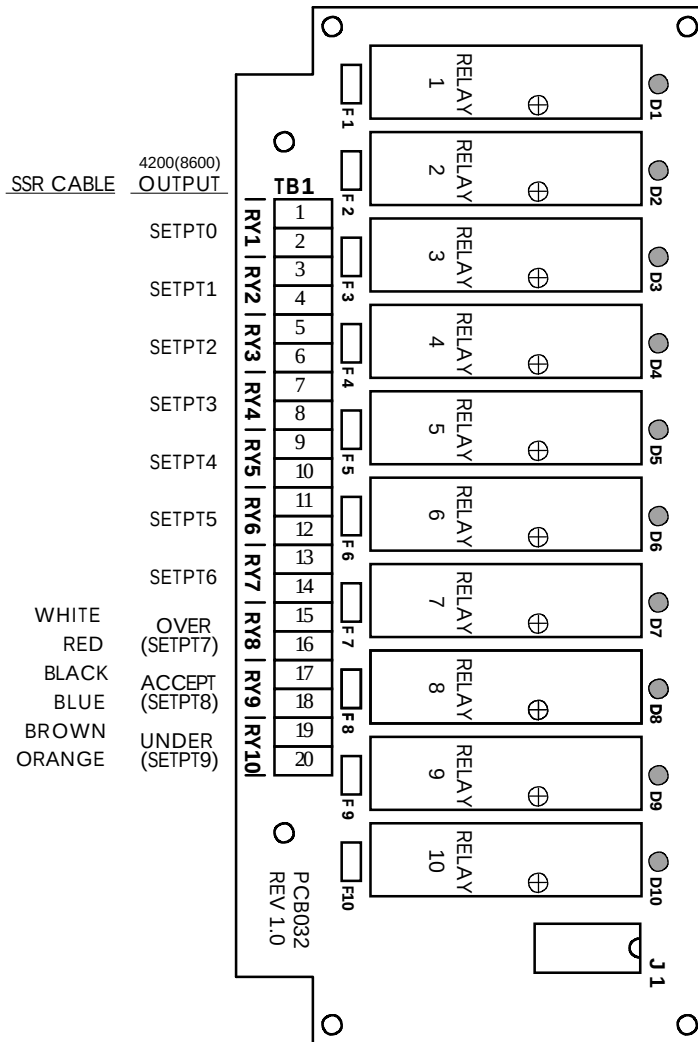
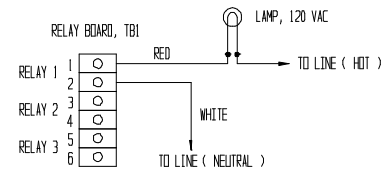


Solid State Relay Board

42OPT05 and 86OPT06



1. J1 connects to J2 on 4200 / 8600 main board.
2. D1 - D10 are relay energized LED indicators.
3. There is one optically isolated, normally open, solid state relay per function.
4. SSR (Solid State Relay) (RELAY 1-10) specs.
 115 VAC: 125 VAC, 3 AMP, OAC5
 230 VAC: 24-280 VAC, 3 AMP, OAC5A
 Low VDC: 5-60 VDC, 3 AMP, ODC5
 High VDC: 5-200 VDC, 1 AMP, ODC5A
5. F1-F10 are field replaceable fuses.
 250 VAC, 3 AMP, PCTRON (except High VDC)
 250 VAC, 1 AMP, PCTRON (High VDC only)
6. AC line connection (see below)



AC hook-up example

NOTE: when adding additional relays (42OPT05B) to the SSR board (PCA0138), a 42OPT27 option is required for the 4200 scales.

PCB057 J2 output

Pin 1 = Setpt 8 (accept)	Pin 9 = Setpt 6
Pin 2 = nc	Pin 10 = Setpt 1
Pin 3 = Setpt 9 (under)	Pin 11 = Setpt 5
Pin 4 = nc	Pin 12 = Setpt 0
Pin 5 = nc	Pin 13 = Setpt 2
Pin 6 = nc	Pin 14 = Setpt 7 (over)
Pin 7 = Setpt 4	Pin 15 = Setpt 3

Pin 8 = gnd

Pin 16 = +5vdc

4200 AC Connection

Pin 20 - UNDER; N-input
 Pin 19 - UNDER; N-output
 Pin 18 - ACCEPT; N-input
 Pin 17 - ACCEPT; N-output
 Pin 16 - OVER; N-input
 Pin 15 - OVER; N-output
 Pin 14 - Setpoint6; N-input
 Pin 13 - Setpoint6; N-output
 Pin 12 - Setpoint5; N-input
 Pin 11 - Setpoint5; N-output
 Pin 10 - Setpoint4; N-input
 Pin 9 - Setpoint4; N-output
 Pin 8 - Setpoint3; N-input
 Pin 7 - Setpoint3; N-output
 Pin 6 - Setpoint2; N-input
 Pin 5 - Setpoint2; N-output
 Pin 4 - Setpoint1; N-input
 Pin 3 - Setpoint1; N-output
 Pin 2 - Setpoint0; N-input
 Pin 1 - Setpoint0; N-output

4200 DC Connection

Pin 20 - UNDER; -
 Pin 19 - UNDER; +
 Pin 18 - ACCEPT; -
 Pin 17 - ACCEPT; +
 Pin 16 - OVER; -
 Pin 15 - OVER; +
 Pin 14 - Setpoint6; -
 Pin 13 - Setpoint6; +
 Pin 12 - Setpoint5; -
 Pin 11 - Setpoint5; +
 Pin 10 - Setpoint4; -
 Pin 9 - Setpoint4; +
 Pin 8 - Setpoint3; -
 Pin 7 - Setpoint3; +
 Pin 6 - Setpoint2; -
 Pin 5 - Setpoint2; +
 Pin 4 - Setpoint1; -
 Pin 3 - Setpoint1; +
 Pin 2 - Setpoint0; -
 Pin 1 - Setpoint0; +

8600 AC Connection

Pin 20 - Setpoint9; N-input
 Pin 19 - Setpoint9; N-output
 Pin 18 - Setpoint8; N-input
 Pin 17 - Setpoint8; N-output
 Pin 16 - Setpoint7; N-input
 Pin 15 - Setpoint7; N-output
 Pin 14 - Setpoint6; N-input
 Pin 13 - Setpoint6; N-output
 Pin 12 - Setpoint5; N-input
 Pin 11 - Setpoint5; N-output
 Pin 10 - Setpoint4; N-input
 Pin 9 - Setpoint4; N-output
 Pin 8 - Setpoint3; N-input
 Pin 7 - Setpoint3; N-output
 Pin 6 - Setpoint2; N-input
 Pin 5 - Setpoint2; N-output
 Pin 4 - Setpoint1; N-input
 Pin 3 - Setpoint1; N-output
 Pin 2 - Setpoint0; N-input
 Pin 1 - Setpoint0; N-output

8600 DC Connection

Pin 20 - Setpoint9; -
 Pin 19 - Setpoint9; +
 Pin 18 - Setpoint8; -
 Pin 17 - Setpoint8; +
 Pin 16 - Setpoint7; -
 Pin 15 - Setpoint7; +
 Pin 14 - Setpoint6; -
 Pin 13 - Setpoint6; +
 Pin 12 - Setpoint5; -
 Pin 11 - Setpoint5; +
 Pin 10 - Setpoint4; -
 Pin 9 - Setpoint4; +
 Pin 8 - Setpoint3; -
 Pin 7 - Setpoint3; +
 Pin 6 - Setpoint2; -
 Pin 5 - Setpoint2; +
 Pin 4 - Setpoint1; -
 Pin 3 - Setpoint1; +
 Pin 2 - Setpoint0; -
 Pin 1 - Setpoint0; +