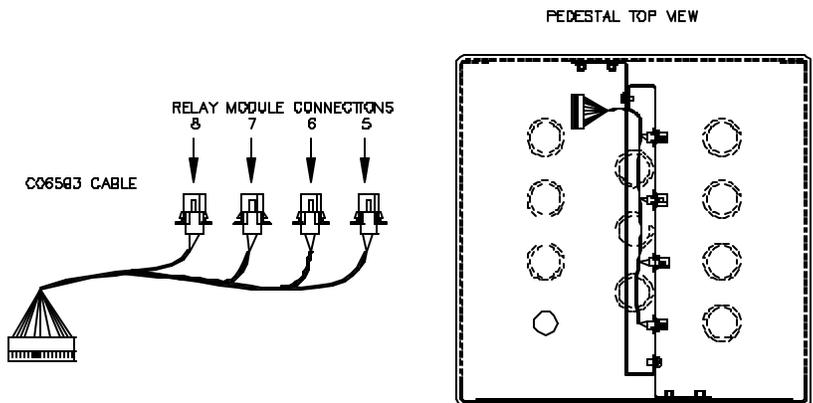


INSTALLING AN ADDITIONAL ISLANDER 4-HOSE PEDESTAL PUMP CONTROL UNIT

This C06654 kit contains all the hardware necessary to add a 4-hose pedestal pump control unit into an Islander pedestal with an existing pedestal pump control unit. This kit includes:

Item	P/N	Description	Item	P/N	Description
1	C06600	Cage Assy., 3 Slot PCU Card	9	C08528	Connector, 8-position TB/PG (Qty 2)
2	C06590	Cable Assy., DC PWR Ped. PCU	10	C04035	Screw, #6-32 x 1/4" (Qty 4)
3	C06593	Cable Assy., 4 Relay Control	11	068843	Washer, #6 Locking
4	C06608	Cable Assy., PCU Comm.	12	C32731	Plate, Silk-Screened Escutcheon
5	C04037	Screw, #8-32 x 3/8" (Qty 4)	13	067126	Washer, #8 PLTD (Qty 3)
6	C06594	Relay Module Assy. (Qty 4)	14	068842	Washer, #8 Locking (Qty 4)
7	C02952	Decal, Nos. 5-6-7-8 White	15	C02293	Decal, Nos. 1-2-3-4 Black
8	C08237	Connector, 12-position TB/PG	16	C06757	Surge Protector Assembly

- Switch off power to the Islander and disconnect all AC power to the unit. Remove the screws that secure the side covers on the pedestal and remove the covers. Switch off AC and battery power on the PCU power supply.
- Install the C06593 Relay Control Cable. This cable has four connectors in graduated lengths. On the left side of the pedestal, start with the longest of the four connectors and attach it to the rightmost square opening in the support bracket so that the pins are pointing away from the center of the pedestal. Repeat for all connectors from longest to shortest. Run the cable between the two support brackets to the card cage side. See drawing at right.



- Install the C06594 relay module assemblies. Connect the cables to the relay control cable installed in Step 2. Apply the numbers from the C02952 decal to the relay modules. Numbering is 5 6 7 8 from left to right.
- Install the C06600 card cage assembly using the three C04037 screws, 067126 washers, and 068842 locking washers. Connect the relay control cable 12-pin connector to P2 of the motherboard in the card cage assembly.
- Remove cover from the power supply. Remove the DC power cable that connects P1 of the power supply to P1 of the motherboard on the existing PCU card cage. Install the C06590 DC power cable. Connect the cable from P1 of the power supply to P1 of the existing PCU card cage and P1 of the newly installed card cage. Replace power supply cover.
- On the new PCU CPU board, set the address switches to match to site's configuration. Set the jumpers on the new Pump I/O board to match the pulsers being used. Refer to the *Islander II Installation Manual C35963*. Install the C32731 escutcheon plate using the C04035 screws and the 068843 washer. The washer goes on the screw closest to TBR connector. Apply the number 2 of the C02293 decal to the escutcheon plate.
- Remove the PCU Comm. cable that connects P3 of the RS485 Protection board to TBK on the existing Pump I/O board. Install the C06608 PCU comm. cable from TBK on the existing Pump I/O board to TBK on the new Pump I/O board and to P3 on the RS485 Protection board. If the unit has 2 protection boards, the cable connects to the upper board.

NOTE: If a C06757 surge protector already exists (see pedestal left side view for location), skip Step 8 and proceed with Step 9. Keep surge protector supplied in kit as a spare.

8. While facing the terminal block/bracket assembly, with TB2 on it, locate an unused captive nut in the sheet metal (several inches below and to the right). Install the C06757 surge protector using a C04037 screw and 068842 lockwasher. Terminate the green/yellow wire from the surge protector to Ground of TB2 and the black wires from the surge protector to Hot and Neutral on TB2.
9. For pump wiring to the Pump Control Unit, refer to the *Islander II Installation Manual C35963*. Once wiring is complete and verified, re-connect the AC power to the Islander. Switch on AC power to the Islander and PCU power supply. After wiring has been completed and tested, replace pedestal side covers.

