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DCO-4

4-Dry contact relays PROTOCOL Page 1



DCO-4 Circuit Legend

1	Microprocessor.
2	Nonvolatile Memory.
3	Communications Chip.
4	Quartz Crystal.
5A,5B	Power Supply filter Capacitors.
6A	Voltage Regulator for logic.
6B	Voltage Regulator for Relays.
7	Network Port.
8	Dry Contact Relay Output 1.
9	Dry Contact Relay Output 2.
10	Dry Contact Relay Output 3.
11	Dry Contact Relay Output 4.
12A,12B	DATA&ogic power Bus for INT04
S1-S2	Address Selectors.
RLY1-4	Dry Contact Relays.

General Description

The Protocol dimming and control systems offer microprocessor based control stations, load drivers, input and output interface modules, with distributed intelligence (no central controller) over the 4-wire (2 twisted pairs) network bus, increasing the reliability and versatility of the system. The DCO-4 is a dry contact output interface module that can be used to link the Protocol to other systems, such as A/V, alarm, etc...

The DCO-4 may be viewed as a PD408 dimmer module with "ON/OFF" dry contact outputs. Combining the DCI-16 input interface module and the DCO-4 output interface module can provide a simple closed loop communication scheme between the Protocol and other systems. For example, a DCO-4 relay closure can trigger the alarm system or provide a positive feedback to an external system that initiated a preset recall through the **DCI-16** input interface module.

The **DCO-4** comes in an open-frame circuit module that **can be integrated into existing system cabinets**. It is also available with a 12" x 8" x 4" NEMA enclosure.

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4-Channel Dimmer Pack PROTOCOL Page 3

DCO-4 Address Selection Information			
00 INVALID ADDRESS 01 set S2,S1 to 0,1 02 set S2,S1 to 0,2 03 set S2,S1 to 0,3 04 set S2,S1 to 0,5 06 set S2,S1 to 0,6 07 set S2,S1 to 0,7 08 set S2,S1 to 0,9 10 set S2,S1 to 0,9 10 set S2,S1 to 0,0 13 set S2,S1 to 0,0 14 set S2,S1 to 0,C 13 set S2,S1 to 0,C 13 set S2,S1 to 0,F 16 set S2,S1 to 0,F 16 set S2,S1 to 1,0 17 set S2,S1 to 1,0 17 set S2,S1 to 1,2 19 set S2,S1 to 1,2 19 set S2,S1 to 1,3 20 set S2,S1 to 1,4 21 set S2,S1 to 1,5 22 set S2,S1 to 1,5 22 set S2,S1 to 1,8 25 set S2,S1 to 1,7 24 set S2,S1 to 1,8 25 set S2,S1 to 1,8 25 set S2,S1 to 1,7 24 set S2,S1 to 1,8 25 set S2,S1 to 1,7 24 set S2,S1 to 1,7 24 set S2,S1 to 1,8 25 set S2,S1 to 1,7 30 set S2,S1 to 1,7 30 set S2,S1 to 1,7 31 set S2,S1 to 1,7 32 set S2,S1 to 2,0	33 set S2,S1 to 2,1 34 set S2,S1 to 2,2 35 set S2,S1 to 2,4 37 set S2,S1 to 2,6 39 set S2,S1 to 2,6 39 set S2,S1 to 2,7 40 set S2,S1 to 2,9 42 set S2,S1 to 2,9 42 set S2,S1 to 2,2 43 set S2,S1 to 2,2 44 set S2,S1 to 2,2 45 set S2,S1 to 2,2 46 set S2,S1 to 2,2 47 set S2,S1 to 3,0 49 set S2,S1 to 3,1 50 set S2,S1 to 3,2 51 set S2,S1 to 3,3 52 set S2,S1 to 3,4 53 set S2,S1 to 3,4 53 set S2,S1 to 3,7 56 set S2,S1 to 3,7 56 set S2,S1 to 3,8 57 set S2,S1 to 3,7 56 set S2,S1 to 3,8 57 set S2,S1 to 3,9 58 set S2,S1 to 3,9 58 set S2,S1 to 3,7 56 set S2,S1 to 3,7 57 set S2,S1 to 3,7 58 set S2,S1 to 3,7 56 set S2,S1 to 3,7 57 set S2,S1 to 3,7 58 set S2,S1 to 3,7 59 set S2,S1 to 3,7 56 set S2,S1 to 3,7 57 set S2,S1 to 3,7 58 set S2,S1 to 3,7 59 set S2,S1 to 3,7 59 set S2,S1 to 3,7 50 set S2,S1 to 3,7 51 set S2,S1 to 3,7 53 set S2,S1 to 3,7 54 set S2,S1 to 3,7 55 set S2,S1 to 3,7 56 set S2,S1 to 3,7 57 set S2,S1 to 3,7 58 set S2,S1 to 3,7 59 set S2,S1 to 3,7 59 set S2,S1 to 3,7 50 set S2,S1 to 3,7 51 set S2,S1 to 3,7 53 set S2,S1 to 3,7 54 set S2,S1 to 3,7 55 set S2,S1 to 3,7 56 set S2,S1 to 3,7 57 set S2,S1 to 3,7 58 set S2,S1 to 3,7 59 set S2,S1 to 3,7 59 set S2,S1 to 3,7 50 set S2,S1 to 3,7 51 set S2,S1 to 3,7 51 set S2,S1 to 3,6 51 set S2,S1 to 3,6 51 set S2,S1 to 3,6 51 set S2,S1 to 3		
00 Decimal (S2,SI = 0,0) is not allowed on any device. Max Independent DCO-4 Address: 63 Decimal (S2,S1 = 3,F) Additional units could be slaved to existing addresses by adding 4 to the S2			
address Example : S2,S1 = 55 will be slaved to 15			

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