

## Limited Warranty

DSC warrants that for a period of one year from the date of purchase, the product shall be free of defects in material and workmanship under normal use and that in fulfillment of any breach of such warranty, DSC shall, at its option, repair or replace the defective equipment upon return of the equipment to its repair depot. This warranty applies only to defects in materials and workmanship and not to damage incurred in shipping or handling, or damage due to causes beyond the control of DSC such as, lightning, excessive voltage, mechanical shock, water damage or damage arising out of abuse, alteration or improper application of the product.

The foregoing warranty shall apply only to the original buyer, and shall be in lieu of any and all other warranties, whether expressed or implied and of all other obligations or liabilities on the part of DSC. This warranty contains the entire warranty. DSC neither assumes responsibility for, nor authorizes any other person purporting to act on its behalf to modify or to change this warranty, nor assume for it any other warranty or liability concerning this product.

In no event shall DSC be liable for any direct, indirect or consequential damages, loss of anticipated profits, loss of time or any other losses incurred by the buyer in connection with the purchase, installation or operation or failure of this product.

### ***Important!***

**DSC recommends that the entire system be completely tested on a regular basis. However, despite frequent testing, and due to but not limited to criminal tampering or electrical disruption, it is possible for this product to fail to perform as expected.**



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# INSTALLATION INSTRUCTIONS

## CFP160 Relay Module



The CFP160 relay module includes three relays with form 'C' contacts rated at 30Vdc, 2A. Each relay is jumper programmable to activate on 'Alarm', 'Supervisory' or 'Trouble' mode. Refer to CFP102 or CFP105 *Installation Manual*.

### Parts List

- Qty 1 CFP160 module
- Qty 1 #4-40 pan head screw
- Qty 1 spacer
- Qty 3 jumpers

### Specifications

- Standby current ... 0 mA  
Add 8 mA for each relay programmed for 'Trouble'
- Alarm current ... 8 mA (for each relay programmed for alarm).
- Relay contacts Vmax ... 30Vdc
- Relay contacts Imax ... 2 A

**NOTE: This component must be included in the control panel battery calculation. Refer to the Standby Battery Calculation Sheet (PN# 29005851) included with the control panel.**

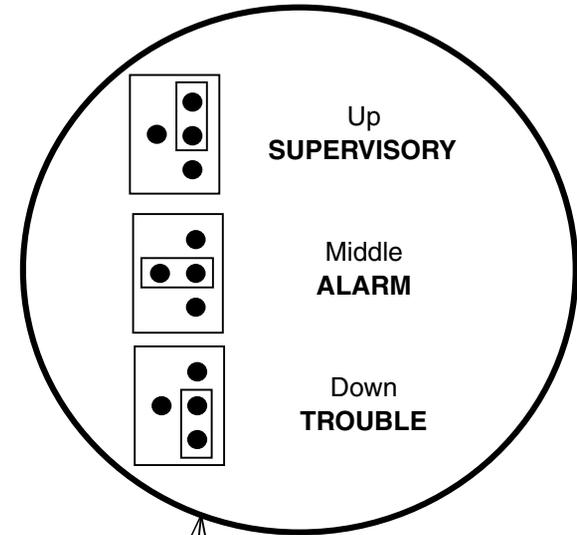
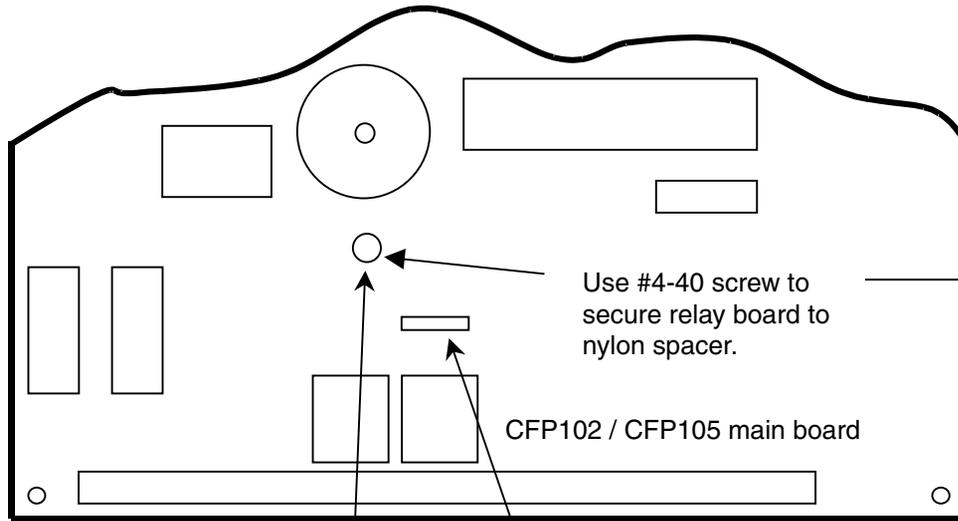
### Installing the CFP160 Module

The CFP160 module mounts on the CFP102/105 fire alarm control unit board as indicated below. Refer to Fig 1.

1. Screw the the 1/2 inch nylon hex spacer (provided) hand-tight onto the center pem stud.
2. Insert the the CFP160 header pins into the header on the CFP102/105 FACP.
3. Secure the relay module to the nylon spacer using the #4-40 screw provided.
4. Configure jumper for desired operating modes. Refer figure 1.
5. Route 14-18 AWG hookup wire through the panel access holes in accordance with local regulations.
6. Secure wire connections to relay terminals as required.
7. Refer to CFP102 or CFP105 *Installation Manual* for programming details.

**Fig.1 INSTALLATION**

**Jumper Configuration**

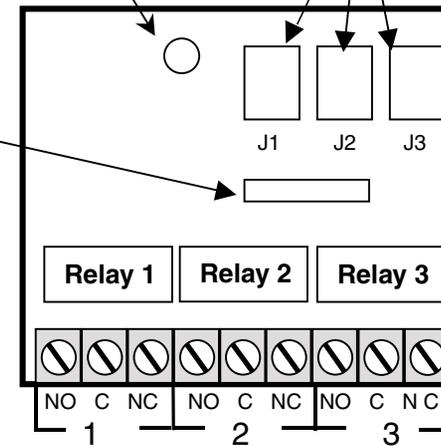


Screw nylon spacer onto this stud.

CFP160 header pins insert into header socket on main PC board

Refer to CFP102 or CFP105 Fire Alarm Control Unit Manual for further details

**CFP160 RELAY MODULE**



**Note:**  
J1 = Relay 1  
J2 = Relay 2  
J3 = Relay 3

Wire Gauge  
14 -18 AWG

**Note:**  
Connect relay contacts to a power limited source