

ECS-SW24

Switch Expander

Product Installation Document

1 Description

The ECS-SW24 adds 24 additional switches to the ECS Series controls providing a total of 40 switches (with the ECS-VCM/ECS-NVCM or ECS-RVM).



NOTE: Installation and wiring of this device must be done in accordance with NFPA 72 and local ordinances.

1.1 Compatibility

The ECS-SW24 is compatible with the following Honeywell Farenhyt Series fire alarm control panels (FACPs):

- IFP-2100ECS
- IFP-300ECS
- IFP-100ECS
- IFP-1000ECS
- IFP-2000ECS

1.2 Specifications

- Standby Current: 10mA
- Alarm Current: 25mA

2 Mounting

1. Open the cabinet door and the dead front panel.
2. Remove AC power from the main control panel.
3. Disconnect the backup batteries.
4. Install the ECS-SW24 on the mounting studs located on the inside of the dead front panel on the FACP. Refer to Figure 1. The IFP-2000ECS and IFP-2100ECS can hold up to two ECS-SW24 modules.
5. Secure the switch expander(s) to the dead front panel using the supplied 0.25" hex nuts.

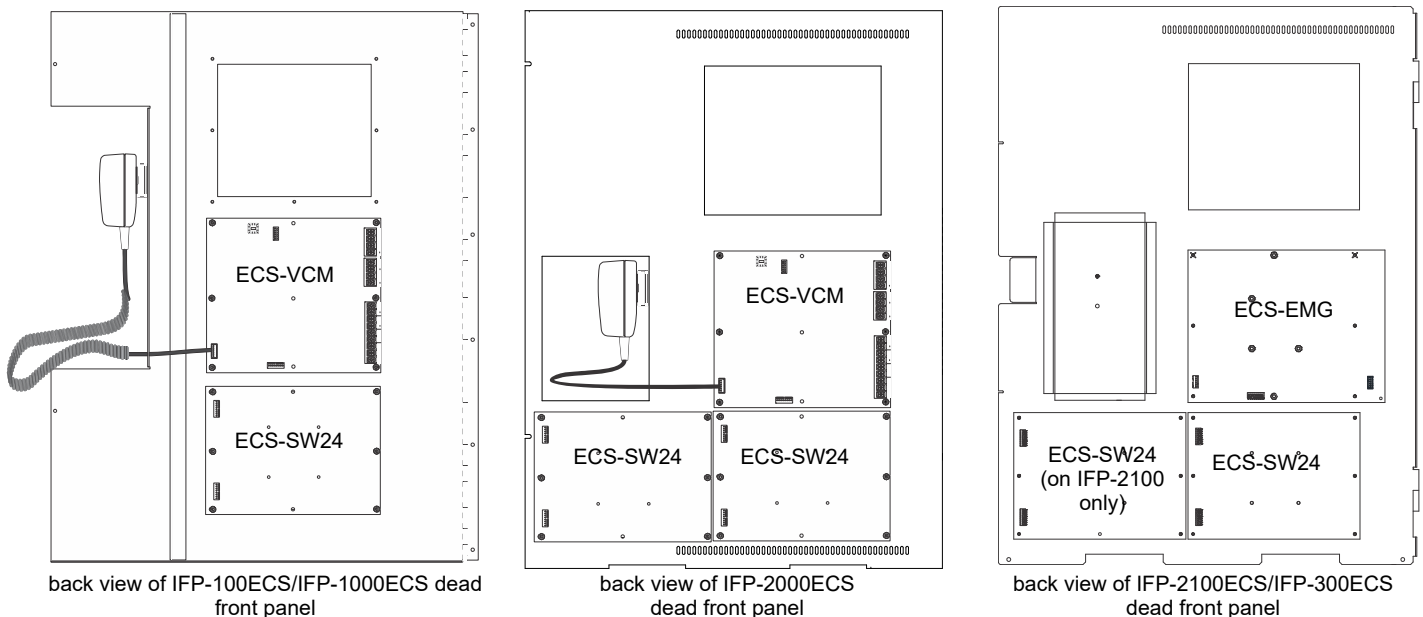


Figure 1 ECS-SW24 Mounting Locations

3 Wiring

1. Connect one end of the supplied wiring harness (PN 130398) to the EVS-VCM or EVS-RVM, or to the ECS-EMG if using the ECS-NVCM. Then, connect the other end of the wiring harness to the ECS-SW24 as shown below.

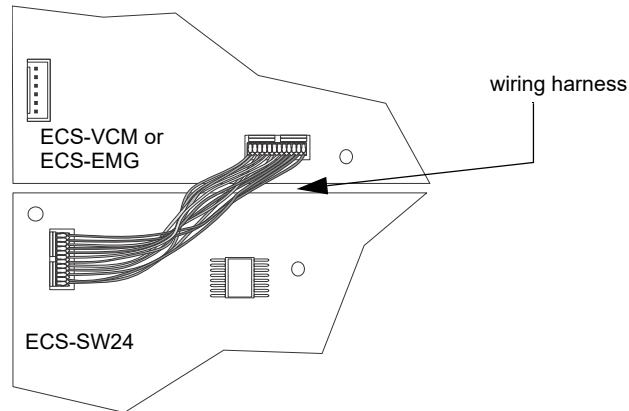


Figure 2 Connection for ECS-VCM or ECS-EMG to ECS-SW24

2. If connecting multiple ECS-SW24 modules on the IFP-2000ECS, connect one end of the supplied wiring harness (PN 130398) to the ECS-VCM or ECS-RVM, or, if using the ECS-NVCM on the IFP-2100ECS or IFP-300ECS, connect to the ECS-EMG keypad and the other end to the ECS-SW24. Then connect one ECS-SW24 to the other ECS-SW24 as shown below.

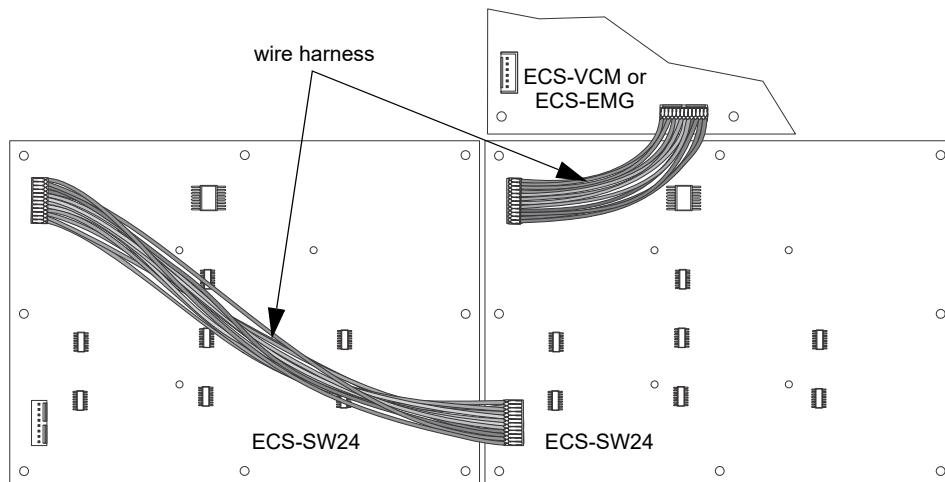


Figure 3 Wiring Harness Connection for Multiple ECS-SW24 Modules

3. For the IFP-300ECS or the IFP-2100ECS using the ECS-NVCM, connect the ECS-NVCM P3 connector to the back of the ECS-EMG keypad.

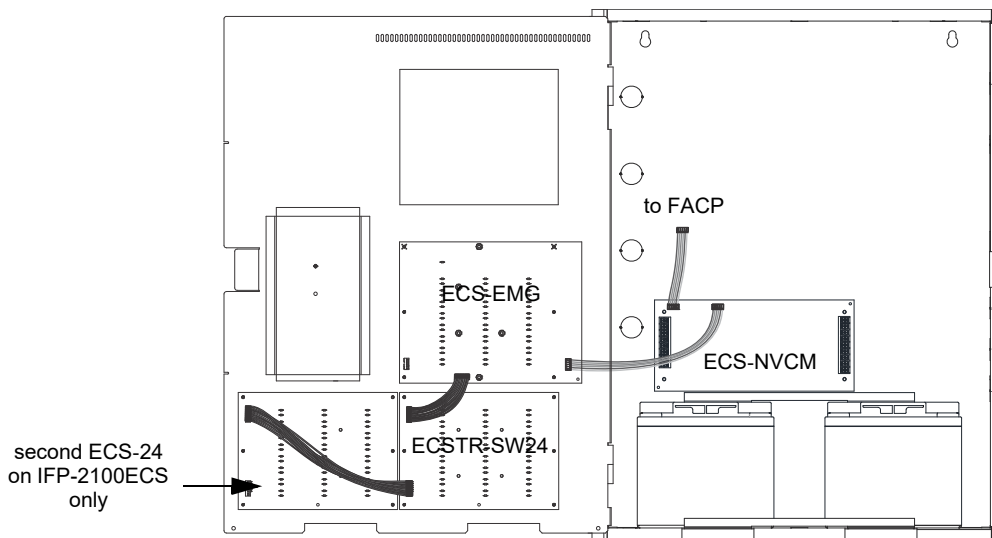


Figure 4 ECS-NVCM Connection to the ECS-EMG Keypad and ECS-24

4. Restore AC power.
5. Reconnect the backup batteries.