

# Microswitch Kit, Quick Connect for XV™ Control System

P/Ns: 87-120039-001, 87-120039-501

## FEATURES

- **For Use in:**
  - **WHDR™ Commercial Cooking Fire Suppression System**
  - **IND™ Industrial Fire Suppression System**
- **For Use with XV Control System**
- **Stackable with Alarm/Release Terminal Type XV™ Control System Microswitch**

## DESCRIPTION

The Quick Connect Microswitch used with the XV Control System is a single pole, double-throw switch (Figure 1). Included in the microswitch kit is the microswitch, pigtail assembly, mounting screws, and wiring diagram label. Microswitch Kit P/N 87-120039-001 includes a pigtail assembly with solid color leads. Microswitch Kit P/N 87-120039-501 includes a pigtail assembly with striped leads. All wire leads are 24 inches (610 mm) in length.

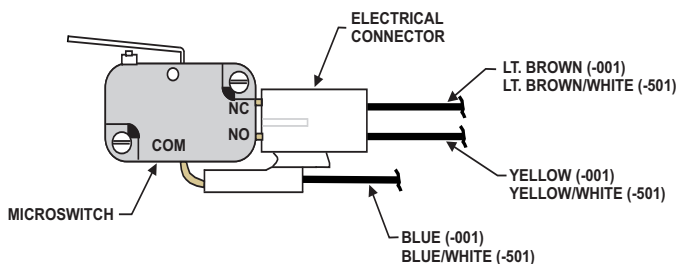


Figure 1. Quick Connect Microswitch

Quick Connect Microswitches are used to open or close electrical circuits, including, but not limited to:

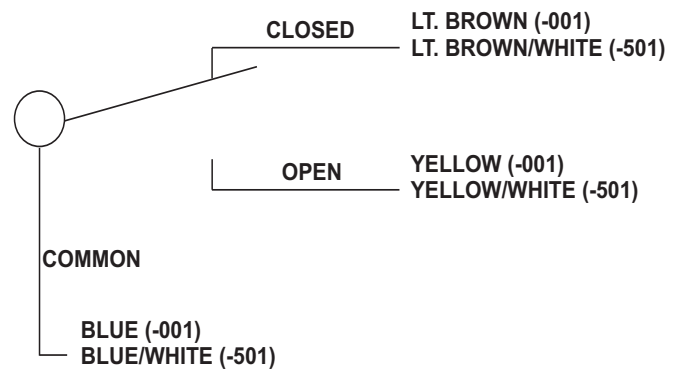
- Electric appliance shutdown
- Make-up air shutdown
- Electric gas valve shutdown
- Shuntbreaker/relay

Electrical appliances typically have higher amp ratings than those of the microswitches (Table 1).

Table 1. Electrical Ratings

|             |             |
|-------------|-------------|
| 125/250 Vac | 20-1/2 Amps |
| 250 Vac     | 1-1/2 HP    |
| 125 Vac     | 1/2 HP      |

In this case, appliances shall not be wired directly to the microswitch. A magnetic contactor or relay must be used. For wiring the microswitch with the XV Control System, refer to Figure 2.



SWITCH POSITION WHEN XV CAM/FLAG IS IN 'RELEASED' POSITION

Figure 2. Microswitch in Released Position

Quick Connect Microswitch Kits are not for alarm initiation or solenoid release. A separate Alarm/Release Terminal Type Microswitch (P/N 87-120047-001) is available.

The XV Control System has two separate microswitch mounting locations to support up to four (4) microswitches (any combination of Quick Connect and/or Alarm/Release type). Each of the two mounting locations has a corresponding EMT port for wire leads, allowing the use of two electrical junction boxes for separation of signal lines and AC lines.

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## ORDERING INFORMATION

| Description  | Part Number   |
|--|---------------|
| Quick Connect Microswitch Kit, SPDT, Solid Leads   | 87-120039-001 |
| Quick Connect Microswitch Kit, SPDT, Striped Leads | 87-120039-501 |
| XV Control System                                  | 87-120099-002 |
| EMT Connector Kit (set of 3)                       | 87-120058-001 |
| Alarm/Release Terminal Type Microswitch            | 87-120047-001 |

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