

# Microswitch Kit, Quick Connect for Universal Control Head



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

Effective: August 2013  
B-87-030

## FEATURES

- **For Use in:**
  - **Range Guard® Commercial Cooking Fire Suppression System**
  - **Industry Guard™ Industrial Fire Suppression System**
- **For Use with Universal Control Head (UCH)**
- **Stackable with Alarm/Release Terminal Type Universal Control Head Microswitch**

## DESCRIPTION

The Quick Connect Microswitch used with the Universal Control Head 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.

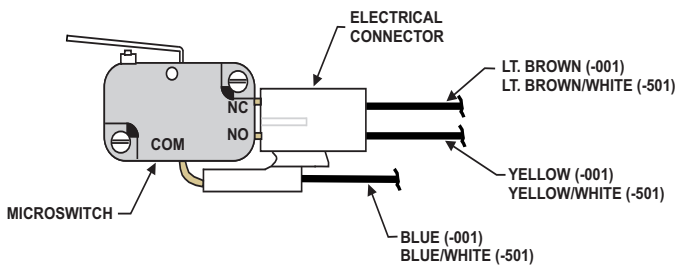


Figure 1. Quick Connect Microswitch

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 Universal Control Head, refer to Figure 2.

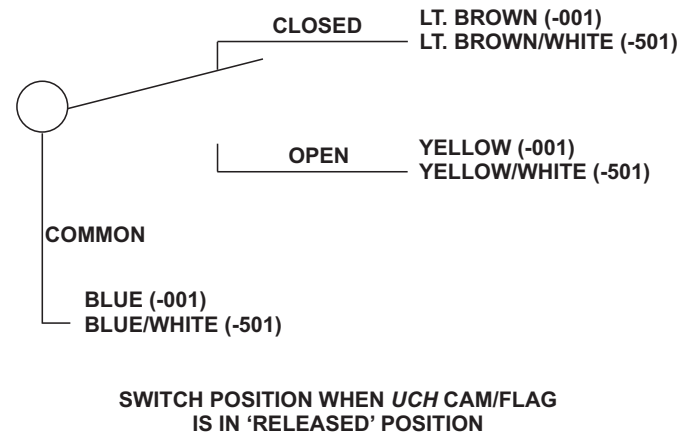


Figure 2. Microswitch in Released Position

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 Universal Control Head 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
Universal Control Head	60-120099-002
EMT Connector Kit (set of 3)	87-120058-001
Alarm/Release Terminal Type Microswitch	87-120047-001

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