Alarm/Release Terminal Type Microswitch

P/N: 87-120047-001

Effective: August 2013
B-87-029

FEATURES

- For Use In:
  - Range Guard® Commercial Cooking Fire Suppression Systems
  - Industry Guard™ Industrial Fire Suppression Systems
- Used for Alarm Circuit and Release Circuit
- Screw-type Terminals for Secure Wire Mounting
- For Use with Universal Control Head (UCH)
- Meets Alarm Requirements for CSA (Canada)
- Stackable with Quick Connect Universal Control Head Microswitch
- Ships with Non-Conductive Barrier

DESCRIPTION

The Alarm/Release Terminal Type Microswitch is a single pole, double-throw switch used for supervision of the Universal Control Head for alarm activation and release actuation (Figure 1, Table 1). The microswitch kit (P/N 87-120047-001) includes the switch, non-conductive shield and mounting hardware.

The Alarm/Release microswitch provides approved supervision for the alarm zone circuit of the Kidde AEGIS™ and ARIES™ panels, and for other UL Listed control panels (Figure 2). The switch can also be wired in series with the Universal Control Head Solenoid Electric Actuator (P/N 83-100034-001) to open the releasing loop upon system actuation (Figure 3).

Alarm/Release Terminal Type Microswitches are not used for electrical shutdown (i.e., appliance, gas, makeup air). Quick Connect Microswitch Kits (P/Ns 87-120039-001 and 87-120039-501) are available for shutdowns.

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.

ORDERING INFORMATION

<table>
<thead>
<tr>
<th>Description</th>
<th>Part Number</th>
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<tbody>
<tr>
<td>Alarm/Release Terminal Type Microswitch</td>
<td>87-120047-001</td>
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<tr>
<td>Universal Control Head</td>
<td>60-120099-002</td>
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<tr>
<td>Universal Solenoid Electric Actuator Kit</td>
<td>83-100034-001</td>
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<tr>
<td>EMT Connector Kit (set of 3)</td>
<td>87-120058-001</td>
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<tr>
<td>Quick Connect Microswitch Kit, Solid Leads</td>
<td>87-120039-001</td>
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<tr>
<td>Quick Connect Microswitch Kit, Striped Leads</td>
<td>87-120039-501</td>
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</table>

Table 1: Electrical Ratings

<table>
<thead>
<tr>
<th>Voltage</th>
<th>Current</th>
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<tbody>
<tr>
<td>250 Vac</td>
<td>15 Amps</td>
</tr>
<tr>
<td>250 Vac</td>
<td>1/2 HP</td>
</tr>
<tr>
<td>125 Vac</td>
<td>1/2 HP</td>
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