Alarm/Release Terminal Type Microswitch

P/N: 87-120047-001

Effective: August 2013
K-87-029

FEATURES

- ***For Use In:***
  - ***WHDR™ Commercial Cooking Fire Suppression Systems***
  - ***IND™ Industrial Fire Suppression Systems***
- ***Used for Alarm Circuit and Release Circuit***
- ***Screw-type Terminals for Secure Wire Mounting***
- ***For Use with XV Control System***
- ***Meets Alarm Requirements for CSA (Canada)***
- ***Stackable with Quick Connect XV™ Control System 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 XV Control System 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

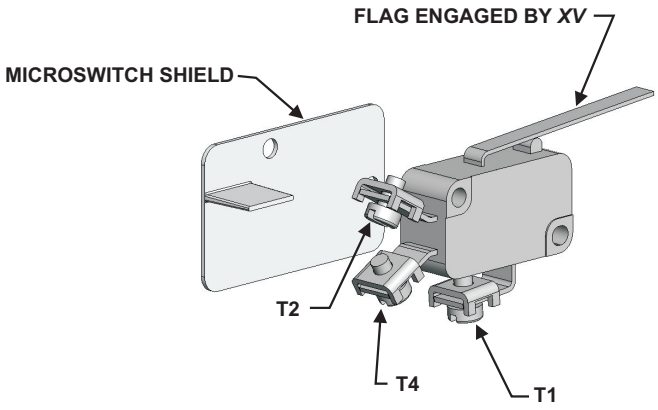


Figure 1. Alarm/Release Terminal Type Microswitch

Table 1: Electrical Rating

250 Vac	15 Amps
250 Vac	1/2 HP
125 Vac	1/2 HP

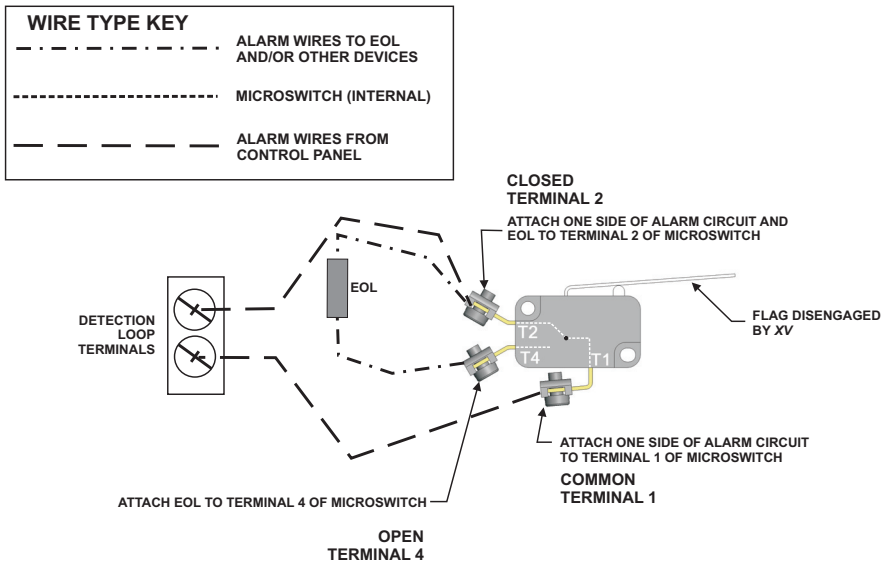
The Alarm/Release microswitch provides approved supervision for the alarm zone circuit of the Kidde AEGIS™ and ARIES™ panels, and for other UL Listed control panels (Figure 2). The switch can also be wired in series with the XV Control System Solenoid Electric Actuator (P/N 83-100034-001) to open the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

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

The XV Control System has two separate microswitch mounting locations to support up to four (4) micro-switches (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.

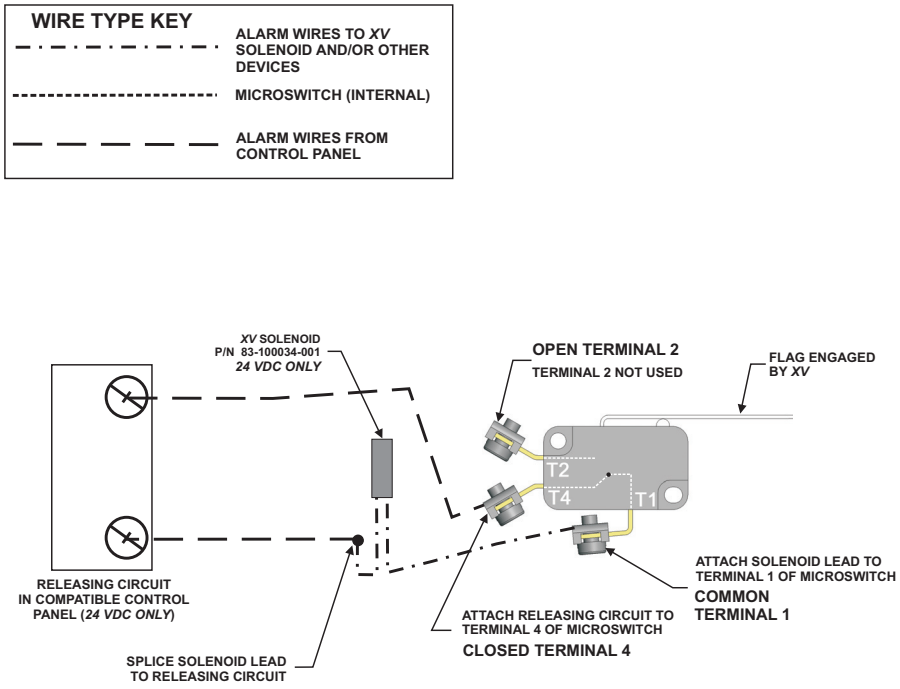
ORDERING INFORMATION

Description	Part Number
Alarm/Release Terminal Type Microswitch	87-120047-001
XV Control System	87-120099-002
XV Solenoid Electric Actuator Kit	83-100034-001
EMT Connector Kit (set of 3)	87-120058-001
Quick Connect Microswitch Kit, Solid Leads	87-120039-001
Quick Connect Microswitch Kit, Striped Leads	87-120039-501



SWITCH POSITION WHEN XV FLAG/CAM IS IN RELEASED POSITION

Figure 2. Alarm Wiring with Terminal Type Microswitch



SWITCH POSITION WHEN *XV* FLAG/CAM IS IN SET POSITION

Figure 3. Release Wiring with Terminal Type Microswitch

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