RUSKIN

ADC105 ADDRESSABLE DAMPER CONTROLLER
For SIMPLEX ES Fire Alarm Systems

APPLICATION

ADC105 addressable damper controller meets NFPA 80 and 105 life safety remote damper testing requirements. The ADC105 is an addressable module that works with SIMPLEX ES fire alarm panels. With the ADC105 connected to a SIMPLEX fire alarm system, it allows continuous monitoring and alarm capability if something should go wrong. The ADC105 allows for the periodic testing that is required in NFPA 80 and NFPA 105.

ADC105 The ADC105 comes standard with a 5" x 6" handy box with 3' power and blade indication switch leads. The ADC105 is designed for easy installation within 3 foot of a smoke or combination fire smoke damper. Once installed any local power supply may be used to operate the damper. A 18 gauge twisted pair field wiring from another Simplex device will the addressable control on the ADC105 and damper assembly.
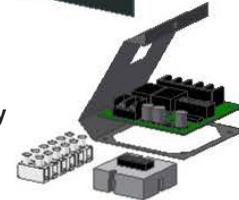

Model ADC105 meets the requirements for smoke and combination fire and smoke dampers established by:

· **National Fire Protection Association** NFPA Standards 80, 90A, 92A, 92B, 101 and 105.
· **ICC International Building Codes**
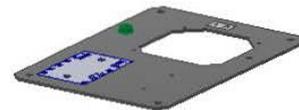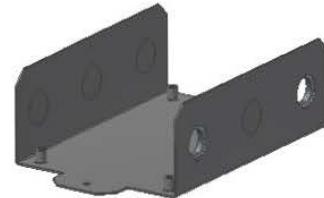· **CBC California Building Codes**

Cover Plate

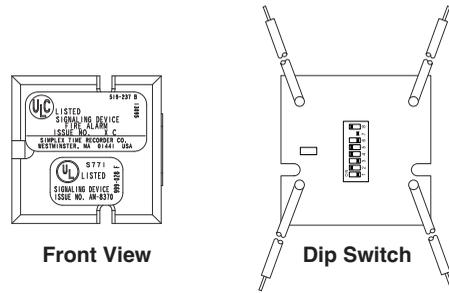**IAM and Relay**

Mounting Plate

Base

Typical Fire Smoke Damper with ADC105

The ADC105 is supplied with 18 inch long blade indicator and power leads (not shown above) for easy installation and wiring to the damper.

ALL STATED SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE OR OBLIGATION. © Ruskin May 2019

The Simplex ES system supports the supervision, reporting and control of the fire/smoke dampers. This information is available at the local panel and across the ES Network, including connected TSW workstations. The entire system is supervised providing increased reliability versus legacy system solutions.
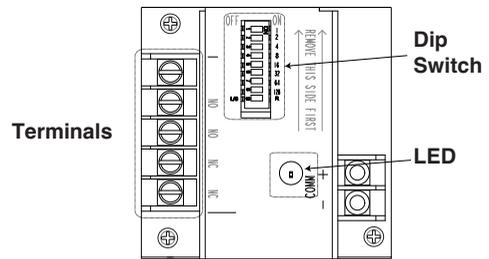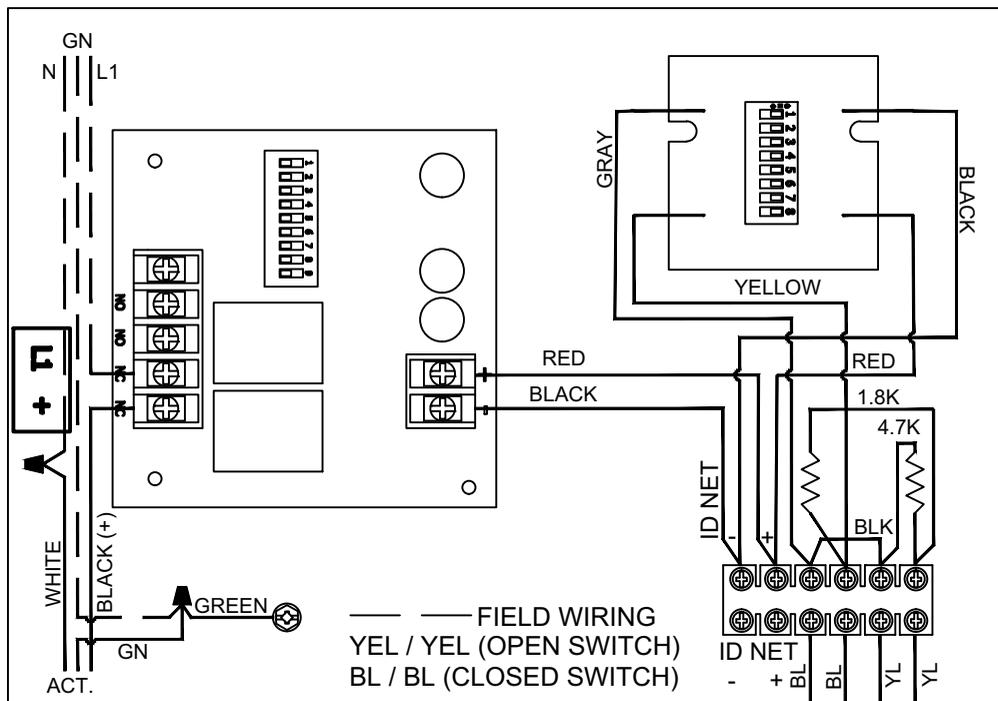
Simplex ES Panels

Front View **Dip Switch**

Supervised IAM

Terminals

Dip Switch

LED

Relay IAM

GN

N L1

GRAY

BLACK

YELLOW

RED

RED

BLACK

1.8K

4.7K

ID NET

BLK

WHITE

BLACK (+)

GREEN

GN

ACT.

ID NET

- + BL BL YL YL

—— —— FIELD WIRING
YEL / YEL (OPEN SWITCH)
BL / BL (CLOSED SWITCH)

Wiring Diagram