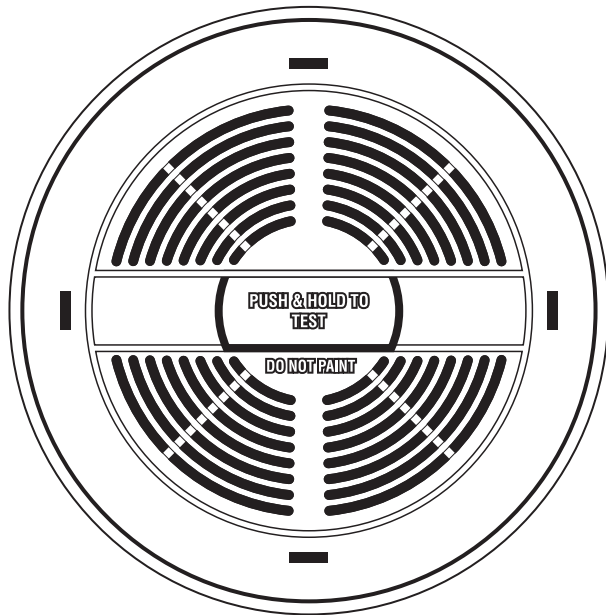# 120 Volt Hardwire with Built-in Relay

ESA5011

The American Sensors ESA5011, 120 Volt hardwire smoke alarm with built-in relay is an all purpose smoke alarm incorporating "dual-ionization" technology for sensing visible and invisible particles of combustion. The built-in relay allows auxiliary devices to be signalled in an alarm condition, and the unit and contacts will automatically reset upon conclusion. Up to 18 units can be inter-connected for simultaneous warnings.

FEATURES

➤ 120 volt hardwire with built-in "NO/NC Form C" relay
➤ Automatic alarm reset feature
➤ Alarm source indicator
➤ Interconnectable up to 18 units
➤ Alarm and power test feature and LED's
➤ Tamper resistant "Lock-it" key mounting hardware included
➤ Dual-ionization technology
➤ 10 Year Limited Warranty
➤ Meets applicable standards

PUSH & HOLD TO TEST

DO NOT PAINT

Item Order Number: ESA5011A (U.S.A.)
ESA5011KA (Canada)
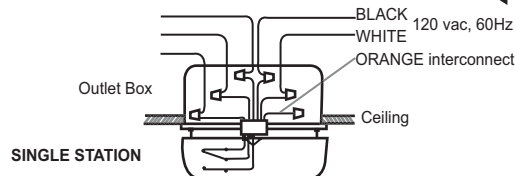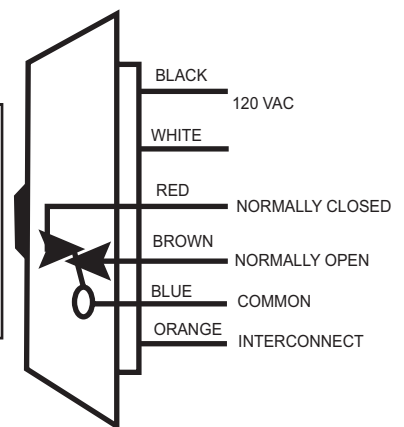Master Carton Quantity of 10

TECHNICAL SPECIFICATIONS

Voltage:	120 volt AC 60Hz
Interconnection:	Up to 18 alarms
Alarm Sound Level:	85 dB at 10 feet (3 m)
Indicator Light:	Green solid-state LED indicates alarm is receiving power
Dimensions:	5.25" (133 mm) x 1.75" (45 mm) (excluding base plate)

NORMAL OPERATING CONDITIONS

Temperature Range:	40°F (5°C) to 100°F (38°C)
Relative Humidity:	10% to 85%

RELAY CONNECTION:
ESA5011 provides one Form C(NO/NC) contact which activates on alarm.
Contact rating (resistive): 10 A at 120 VAC/ 10A at 28 VDC.
Relay wires (red/brown/blue) 14 gauge stranded copper, install in accordance with Electrical code and local building codes.

BLACK — 120 VAC
WHITE
RED — NORMALLY CLOSED
BROWN — NORMALLY OPEN
BLUE — COMMON
ORANGE — INTERCONNECT

BLACK — 120 vac, 60Hz
WHITE
ORANGE interconnect
Outlet Box
Ceiling
SINGLE STATION

AMERICAN SENSORS

WE SAVE LIVES FOR A LIVING