BRK®
THE PROFESSIONAL STANDARD

HARDWIRE

Smoke + Carbon Monoxide Alarm
AC POWERED SMOKE + CARBON MONOXIDE ALARM
WITH 10-YEAR BATTERY BACKUP

SMICO105-AC
CAT. 1046884/1046885

10 YEAR
- 10-YEAR FACTORY SEALED BATTERY BACK UP

ADVANCED SMOKE & CO PROTECTION

LATCHING ALARM INDICATOR

10-YEAR FACTORY SEALED BATTERY BACK UP
10-years of continuous protectionwith no battery change required and protection during power outages.

ADVANCED SMOKE & CO PROTECTION
Advanced sensing technology for earlier warning and less nuisance alarms.

LATCHING ALARM INDICATOR
Visually identifies unit that initiated alarm or low battery.

SMART INTERCONNECT
Interconnects with most First Alert and BRK alarms. When one alarm sounds, all compatible alarms sound (up to 12 smoke alarms and 6 other CO/heat alarms).

TEST/SILENCE BUTTON
Temporarily silence or test the alarm with one-touch easy access button.

DUST COVER
Keeps alarm clean during construction.

PRECISION DETECTION™ Advanced Sensing Technology

LIMITED 10 YEAR WARRANTY

Conforms to UL STD 217 & UL STD 2034 Helps reduce nuisance cooking alarms.

IONIZATION

ETL us Intertek 3055574 MODEL SMICO105-AC

ARCHITECTURAL AND ENGINEERING SPECS

The smoke alarm shall be a BRK Model SMICO105-AC and shall provide at a minimum the following features and functions:

1. An ionization smoke sensing chamber and an electrochemical CO sensor.
2. Powered by 120V AC, 60Hz and have a monitored 9V 10YR battery backup and a solid state piezo horn rated at 85dB at 10 ft. and be capable of self restoring.
3. The unit shall perform self diagnostic tests and issue a malfunction warning (three chirps) if the unit malfunctions.
4. The unit shall have an "End of Life" signal. This signal should be capable of temporarily being silenced for up to 2 days. After about 2 days, the signal will resume. After about 2 weeks the signal cannot be silenced.
5. A visual power-on indicator to confirm unit is receiving AC power or has switched to battery backup mode. Separate LED 's to indicate a smoke or CO alarm.
6. The CO sensor is adjusted not to detect CO levels below 30 PPM and will not alarm when exposed to constant levels of 30 PPM for 30 days. It will alarm at the following levels: 400 PPM CO between 4 and 15 minutes, 150 PPM CO between 10 and 50 minutes and 70 PPM CO between 60 and 240 minutes.
7. Two Latching features: Alarm Latch to easily identify initiating alarm after alarm condition has subsided. Low battery latch: to visually identify which unit is in low battery condition. Two Silence Features: Alarm Silence to temporarily silence nuisance alarms. Low Battery Silence to silence low battery chirp for up to 8 hours.
8. Two Locking features - tamper resistant locking pins that lock battery drawer and/or alarm to mounting bracket. Battery drawer is shipped pre-locked so battery will not be discarded prematurely.
9. The unit shall be capable of operating between 40°F (4°C) and 100°F (38°C) and relative humidity between 10% and 95%.
10. The unit shall have a plug in connector and be capable of interconnection of up to 18 alarms, 12 of which can be smoke alarms.
11. The unit meets the applicable requirements of UL217 and UL2034, CSFM, NFPA 72 and the ICC.

TECHNICAL SPECS

Alarm Dimensions:	5.12" Dia. x 1.97" H
Weight:	0.55 lb
Operating Voltage:	120V AC 60Hz
Battery:	9V Lithium
Temperature Range:	40°F (4.4°C) to 100°F (37.8°C)
Humidity Range:	10% to 95% relative humidity (RH)
Audio Alarm:	85dB at 10 feet
Test/Silence:	Electronically simulates smoke condition, causing the unit to alarm. Press and hold test/ silence button.
Alarm Reset:	Automatic when smoke clears
Interconnections:	Up to 18 units of First Alert or BRK Smoke, CO and Heat Alarms. Maximum of 12 smoke alarms. See user's manual.
Smoke Sensor:	Ionization

Indicator Lights/Sounds:

AC Power:	Constant Green
DC Power:	Flashes Green every minute
Smoke Alarm:	3 Beeps, Flashes Red
CO Alarm:	4 Beeps, Flashes Red
Latching Alarm:	Flashes Red 2 sec. on / 2 sec. off after alarm
Low Battery/ End of Life:	5 "Chirps" every Minute – Replace Alarm
Malfunction:	3 "Chirps" every Minute – Replace Alarm
Listing:	Certified to UL217 & UL2034

INSTALLATION OF ALARM

Installation of this smoke alarm should be performed by a qualified electrician in accordance with the National Electrical Code NFPA 70, NFPA 72 and any other applicable codes or standards in a manner acceptable to the authority having jurisdiction. The interconnect wire should be a maximum of 1000 ft. and rated at least 300V.

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FIRST ALERT

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