PHOTOELECTRONIC SMOKE DETECTORS FOR SYSTEMS/RESIDENTIAL APPLICATIONS

MODELS

BRK ELECTRONICS World's Largest Manufacturer of Smoke Detectors



6 Wire Systems Series

- Compact, Stylish Design
- **Geometrically Optimized** Photoelectronic Sensing Chamber
- **Designed for Direct Surface or Electrical Box Mounting**
- Unique New Optical Sensing Chamber
 —Superior Signal-to-Noise Ratio (2.0) Stable Photoelectronic Operation
- -2.0% Nominal Sensitivity
 -Built-in Signal Processing
- 6, 12, and 24 Volt Models
- Twist-on Mounting Bracket with Tamper Option for Easy Installation
- **Built-in Thermal Available**

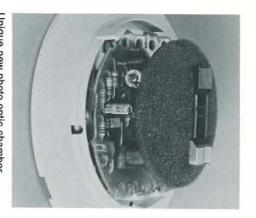
tive and easy to install. range of fires and at the same time offer maximum stability. They're compact, attracsigned to be more responsive to a broader BRK's new 2800 Series detectors are de-

detectors) than the chambers used in most fires (the most difficult for photoelectronic to-noise ratio (2.0 nominal). This sensing chamber is more responsive to fast flaming ambient light. Its carefully designed geometry maximizes signal strength and signalsmoke entry while minimizing the effects of optic sensing chamber that provides good tering principle and feature a unique photo competitive units. It can, therefore, be set These detectors operate on the light scat-

- **Built-in Test Capability Convenient Terminal Strip Wiring**
- Visual Alarm Indication
- Remote LED Option
- _ow Standby Current
- Listed to UL 268
- **Bug Screen**
- Ideal for Residential and Commercial **Applications**

tors. verification. In standby mode its infrared LED cuit that uses signal processing for alarm nuisance alarms. this significantly increases its immunity to required before the detector can alarm, and ond. Two successive positive samplings are sampling rate accelerates to once per secseconds, but when smoke is detected, this is designed to pulse once every eight detector also has a custom integrated cirrange of environmental conditions. detector remarkable stability over a wide ratio and stable sensitivity setting gives the old of alarm than most competitive detecless sensitive and further from the thresh-This combination of high signal-to-noise The





Unique new photo optic chamber features high signal-to-noise ratio for remarkable stability.

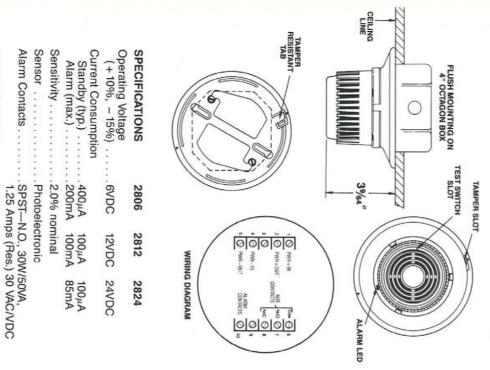
HOW TO ORDER

responsive to a broader range of fires! BRK's new 2800 Series Detectors are more

ment. A visual indication of an alarm is visible alarm signal may be remoted by given by an LED on the detector cover. This detector which permits quick and easy sitivity over a wide range of input voltages. voltage regulator maintains detector senquire adjustment in the field. A solid state tors is preset at the factory and does not reare available. The sensitivity of the detecporating 135° fixed temperature thermals 24VDC. Thermal versions ("TH") incor-6VDC, the 2812 on 12VDC, and the 2824 on control panels. The 2806 operates on designed for use with four/six wire UL listed Testing capability is incorporated in the The 2800 Series are system-type detectors

> operation. the 2806, 400 microamps during normal using BRK's 669 Series Remote Alarm Lamp Assemblies. The 2812 and 2824 detectors typically draw 100 microamps and

For location and placement of detectors, see the I56-210-XX "Applications Manual for System Smoke Detectors." wiring. For installation and maintenance instructions, see the I56-156-XX Manual. units also feature convenient terminal strip tamper proof option included) or for mounting to most boxes up to 4" octagonal. The detectors are designed for direct surface mounting (twist-on mounting bracket with Easy to install, clean and maintain, these



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	Model	Description
	2806	Photoelectronic Detector, 6VDC.
	2806TH	Photoelectronic Detector, 6VDC, with 135° thermal.
	A77-716-00	End of Line Relay Module, 6VDC.
ALARM LED	669-01	Remote Alarm Lamp (LED) Assembly with rectangula mounting plate; 6VDC.
	2812	Photoelectronic Detector, 12VDC.
)	2812TH	Photoelectronic Detector, 12VDC, with 135° thermal.
/	A77-716-01	End of Line Relay Module, 12VDC.
CONTROLS NO O	669-02	Remote Alarm Lamp (LED) Assembly with rectangula mounting plate; 12VDC.
\[\frac{1}{2}\]	2824	Photoelectronic Detector, 24VDC.
CONTACTS O 10	2824TH	Photoelectronic Detector, 24VDC, with 135° thermal.
\	A77-716-02	End of Line Relay Module, 24VDC.
G DIAGRAM	669-03	Remote Alarm Lamp (LED) Assembly with rectangula mounting plate; 24VDC.
	156-210-XX	Application Manual for System Smoke Detectors.
	156-98-XX	Installation Instructions for the 669 series Remote Alarm Lamp Assembly.
2024	156-156-XX	Installation Instructions for 2800 series detectors.
24VDC	R59-08-04	Detector Test Card

BRK ELECTRONICS System Sensor Division

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Distributed by:

Visual Alarm Indicator

... Solid State Light-Emitting

Excluding Condensation 10% to 85% Relative Humidity, 32°F to 120°F (0°C to 49°C) SPDT—30W/50VA, 1.25 Amps (Res.) 125VAC/100VDC

Diode

Humidity

Temperature . . .

Auxiliary Contacts...

Alarm Contacts