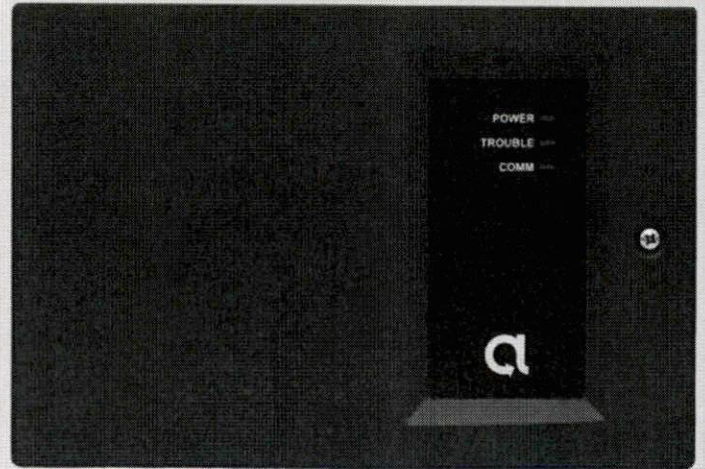




Professional Smart Security

BAT-Fire

The BAT-Fire Commercial FACP Communicator is the ideal solution for system integrators who want a versatile fire communicator. Equipped with dual path IP and LTE-M cellular technology and four programmable input/outputs, system integrators can save money, maximize install flexibility, and skip the 4G sunset.



Learn more at alula.com/bat-fire

Why choose BAT-Fire



Reduce configuration time

Near-universal FACP compatibility with Contact ID, dialer-capture, and dialer-less FACPs.



Minimize install complexity

Operate at either 12V or 24V and use minimal current to ensure your backup power requirements can be met.



Meet local regulations

Can be configured to comply with any of the most recent UL & NFPA guidelines.



Save money

Eliminate the inevitable LTE/4G sunset by installing a fire communicator that's 5G-ready.



Increase RMR

Monitor multiple auxiliary building system functions with four programmable inputs and outputs.



Reduce service hassles

Remote programming, troubleshooting and managed over-the-air firmware upgrades.



Maximize flexibility

Sole path cellular, IP, or dual-path communications.



Simplify your day

Works with all panels that use Contact ID or dialer capture.

Features

- ❖ Supports 12V and 24V FACPs
- ❖ Sole path cellular, IP, or dual-path communications
- ❖ CAT-M1 cellular is 5G-ready
- ❖ Supports Contact ID reporting format
- ❖ Trouble event detection and reporting
- ❖ Four programmable input/outputs
- ❖ Alarm capture via phone line interface or standard alarm outputs
- ❖ UL certified for usage in commercial applications
- ❖ At-a-glance system status via front panel LEDs

Technical Specifications

Physical	
Housing Dimensions	8.6 x 5.8 x 2.2 in (21.8 x 14.6 x 5.5 cm)
Weight	13.2 oz (372.9 g)
Mounting Fasteners	#6 screws and wall anchors (included)
Cover Securing Screw	#6 screw (included)
Antenna	External (included)
Device Specification	
Reported Indications	Cover Tamper
Current Draw	154mA (Standby), 207mA (Max) @ 12 VDC 109mA (Standby), 161mA (Max) @ 24 VDC
Input Voltage	10V-28VDC
Environmental	
Operating Temperature	32°F-120°F (0°C-48.9°C)
Maximum Humidity	93% non-condensing relative humidity
Communications	
Central Station Receivers	Bosch Conettix: D6600, ITS-D6686-UL, D6100IPv6-01
Certifications	
UL 864 10th Edition, ULC-S559, UL 1610, ULC-S304	
Models	
BAT-FIRE-V	BAT-Fire, Verizon™



Photoelectric Smoke Detectors

System Sensor *i*³™ series smoke detectors represent significant advancement in conventional detection. The *i*³ family is founded on three principles: installation ease, intelligence, and instant inspection.



Features

- Plug-in detector line, mounting base included
- Large wire entry port
- In-line terminals with SEMS screws
- Mounts to octagonal and single-gang back boxes, 4-square back boxes, or direct to ceiling
- Stop-Drop 'N Lock attachment to base
- Removable detector cover and chamber
- Built-in remote maintenance signaling
- Drift compensation and smoothing algorithms
- Simplified sensitivity measurement
- Wide-angle, dual-color LED indication
- Loop testing via EZ Walk feature
- Built-in test switch

Installation ease. The *i*³ line redefines installation ease with its plug-in design. This allows an installer to pre-wire bases (included with heads). The large wire entry port and in-line terminals provide ample room for neatly routing the wiring inside the base. The base accommodates a variety of back box mounting methods as well as direct mounting with drywall anchors. To complete the installation, *i*³ heads plug into the base with a simple Stop-Drop 'N Lock™ action.

Intelligence. *i*³ detectors offer a number of intelligent features to simplify testing and maintenance. Drift compensation and smoothing algorithms are standard with the *i*³ line to minimize nuisance alarms. 2-wire *i*³ detectors can generate a remote LED-indicated maintenance signal when connected to the 2W-MOD2 loop test/maintenance module or a panel equipped with the *i*³ protocol. The SENS-RDR, a wireless device, displays the sensitivity of *i*³ detectors in terms of percent-per-foot obscuration.

Instant inspection. The *i*³ series provides wide-angle red and green LED indicators for instant inspection of the detector's condition: normal standby, out-of-sensitivity, alarm, or freeze trouble. When connected to the 2W-MOD2 loop test/maintenance module or a panel with the *i*³ protocol, the EZ Walk loop test feature is available on 2-wire *i*³ detectors. This feature verifies the initiating loop wiring by providing LED status indication at each detector.

Agency Listings



Smoke Detector Specifications

Architectural/Engineering Specifications

Smoke detector shall be a System Sensor i³ Series model number _____, listed to Underwriters Laboratories UL 268 for Fire Protection Signaling Systems. The detector shall be a photoelectric type (Model 2W-B, 4W-B) or a combination photoelectric/thermal (Model 2WT-B, 4WT-B) with thermal sensor rated at 135°F (57.2°C). The detector shall include a mounting base for mounting to 3½-inch and 4-inch octagonal, single-gang, and 4-inch square back boxes with a plaster ring, or direct mount to the ceiling using drywall anchors. Wiring connections shall be made by means of SEMS screws. The detector shall allow pre-wiring of the base and the head shall be a plug-in type. The detector shall have a nominal sensitivity of 2.5 percent-per-foot nominal as measured in the UL smoke box. The detector shall be capable of automatically adjusting its sensitivity by means of drift compensation and smoothing algorithms. The detector shall provide dual-color LED indication that blinks to indicate power up, normal standby, out of sensitivity, alarm, and freeze trouble (Model 2WT-B, 4WT-B) conditions. When used in conjunction with the 2W-MOD2 module, 2-wire models shall include a maintenance signal to indicate the need for maintenance at the alarm control panel and shall provide a loop testing capability to verify the circuit without testing each detector individually.

Electrical Specifications

Operating Voltage	Nominal: 12/24 V non-polarized Minimum: 8.5 V Maximum: 35 V
Maximum Ripple Voltage	30% peak to peak of applied voltage
Standby Current	2-wire: 50 µA maximum average; 4-wire: 50 µA maximum average
Maximum Alarm Current	2-wire: 130 mA limited by control panel; 4-wire: 20 mA @ 12 V, 23 mA @ 24 V
Peak Standby Current	2-wire: 100 µA; 4-wire: n/a
Alarm Contact Ratings	2-wire: n/a; 4-wire: 0.5 A @ 30 V AC/DC

Physical Specifications

Dimensions (including base)	5.3 inches (127 mm) diameter; 2.0 inches (51 mm) height
Weight	6.3 oz (178 g)
Operating Temperature Range	2W-B and 4W-B: 32°F to 120°F (0°C to 49°C); 2WT-B and 4WT-B: 32°F to 100°F (0°C to 37.8°C)
Operating Humidity Range	0 to 95% RH non-condensing
Thermal Sensor	135°F (57.2°C) fixed
Freeze Trouble	2WT-B and 4WT-B only: 41°F (5°C)
Sensitivity	2.5%/ft nominal
Input Terminals	14 to 22 AWG
Mounting	3½-inch octagonal back box 4-inch octagonal back box Single-gang back box 4-inch square back box with a plaster ring Direct mount to ceiling

LED Modes			Power-Up Sequence for LED Indication	
LED Mode	Green LED	Red LED	Condition	Duration
Power up	Blink every 10 seconds	Blink every 10 seconds	Initial LED status indication	80 seconds
Normal (standby)	Blink every 5 seconds	off		
Out of sensitivity	off	Blink every 5 seconds		
Freeze trouble	off	Blink every 10 seconds		
Alarm	off	Solid		

Ordering Information

Model	Thermal	Wiring	Alarm Current
2W-B	No	2-wire	130 mA max. limited by control panel
2WT-B	Yes	2-wire	130 mA max. limited by control panel
4W-B	No	4-wire	20 mA @ 12 V, 23 mA @ 24 V
4WT-B	Yes	4-wire	20 mA @ 12 V, 23 mA @ 24 V
Accessories			
2W-MOD2	2-wire loop test / maintenance module		RT Removal / replacement tool
SENS-RDR	Sensitivity reader		A77-AB2 Retrofit adapter bracket, 6.6 inch (16.76 cm) diameter



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