



Kingfisher Company, inc.

APT-S Addressable Transmitter

Features:

- Advanced Information of the specific device on fire panel transmitted to Emergency Response Center
- Transmits Addressable Radio Coded Alarm and Trouble Signals up to 15 miles away.
- Transmits up to 1008 addressable devices (May vary with other FACP)

STAR TECHNOLOGY

- Frequency and Address numbers are programmable by laptop computer.
- Programmable test time.
- Software defined transmitter, no crystals.
- F.C.C. Certificated
- Meets FCC and NTIA Narrowband Requirements



NEMA 1

Description:

The APT-S gives emergency responding personnel detailed prior knowledge before arriving at the scene of an emergency. Advance information of a specific smoke detector, sprinkler water flow or manual pull station in alarm or trouble. Knowledge of the condition of any combination of initiating alarm devices can save precious minutes or even precious seconds by preplanning the response prior to arriving at the scene.

The APT-S Addressable Transmitter provides the most reliable and efficient means of transmitting radio coded alarm and trouble signals to an Emergency Service Dispatch Center having a Kingfisher radio fire alarm receiver or receivers up to 15 miles away.

The APT-S can transmit instantaneously up to 1008 addressable devices (May vary with other FACP). Individual coded alarm and trouble signals include smoke detectors, heat detectors, manual pull stations, sprinkler flow, tamper and any other addressable fire alarm devices. All alarm and trouble signals received by the addressable fire alarm panel are duplicated by the APT-S and transmitted.

Specifications:

Input

| | |
|-------------------|------------|
| Voltage: | 85-135 VAC |
| Frequency: | 50-60 Hz |
| Current: | < 0.9 A |
| Fuse: | 1A 3AG |

Environmental

| | |
|-------------------------------|--------------------------------|
| Operating Temperature: | -40°C to 60°C (-40°F to 140°F) |
| Storage Temperature: | -40°C to 85°C (-40°F to 185°F) |
| Humidity: | 5-95% RH Non-Condensing |

Operational

Frequency Range

| | |
|-------------------|--|
| FCC: | 72-76 MHz |
| NTIA: | 138-174 MHz |
| Bandwidth: | Meets FCC and NTIA Narrowband Requirements |

| | |
|------------------------------|--------------------|
| Frequency Resolution: | 1Hz |
| Frequency Stability: | ± 5 ppm |
| Modulation: | AM |
| Power Output: | 0.6-1.0 Watts peak |
| Tone Frequency Range: | 190-600 Hz |

Enclosure

| Type | Size |
|----------------|------------------------|
| NEMA 1 | 20" H x 16" W x 6.6" D |
| NEMA 3R | 26" H x 20" W x 6.6" D |

Battery Backup

| | |
|---------------------------------------|--------------------------------------|
| Recharge Period: | <48 Hours |
| Low Batt Indication Threshold: | 12.6 V ± 0.3 V |
| Battery Cutoff Threshold: | 11.3 V ± 0.3 V |
| Desired Hours of Backup: | See Battery Backup Calculation Sheet |
| Battery Fuse: | 2ASB |
| Transmitter Fuse: | 2ASB |

Antenna:

The Antenna shall be routed through a separate conduit. The conduit shall be grounded outside of the building. The coaxial connection to the RF Module is a BNC type RF connector located in the upper right-hand corner of the APT-S Panel. The APT-S Panel is supplied with a shunt lightning arrestor kit cut to the specific frequency required at each particular installation. Typically, RG-58/U coaxial cable is used but larger diameter, lower loss cable may be installed as required. Any coaxial cable used shall be 50 OHM impedance. All installations shall comply with the Kingfisher Antenna Installation manual part # 75092.

Limited Warranty:

Kingfisher warrants their products solely to direct purchasers from Kingfisher and subject to the limitations hereinafter set forth in this paragraph for two years from date of shipment when such products are applied to the use for which they are designed and manufactured. Kingfisher limits their warranty to extending credit for defective products at invoice price. In no case will Kingfisher allow charges for labor, consequential expense or damages incurred as a result of defective products. There is no implied warranty of merchantability or of fitness to use for their products other than as stated above.

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ORDERING INFORMATION

| KCi # | Model # | Description |
|--|---------------|--|
| APT-S SUBPLATE ASSEMBLY | | |
| 79254-R | | Retrofit Sub-plate Assembly |
| 99254-1 | | Addressable Panel with STAR Transmitter, High or Low Band, NEMA 1 Enclosure |
| 99254-3R | | Addressable Panel with STAR Transmitter, High or Low Band, NEMA 3R Enclosure |
| SOFTWARE INTERFACE (CONTACT FACTORY FOR TECH. REQUIREMENTS) | | |
| 91241-S | APTIS-QS1 | Interface—GE QS-1 |
| 91242-S | APTIS-EST | Interface—GE EST-3 |
| 91382-S | APTIS-iO64 | Interface—GE iO64 |
| 91380-S | APTIS-MXL | Interface—Siemens MXL |
| 91290-S | APTIS-4010 | Interface—Simplex 4010 |
| 91271-S | APTIS-AFP200 | Interface—Notifier AFP200 |
| 91433-S | APTIS-AFP3030 | Interface—Notifier 3030 |
| 91381-S | APTIS-XLS | Interface—Siemens XLS |
| 91260-S | APTIS-7100 | Interface—FCI 7100 |
| 91250-S | APTIS-650 | Interface—Gamewell 650 Series |
| 91460-S | APTIS-FX | Interface—Mircom FX 2000 |
| 91461-S | APTIS-FLEX | Interface—Mircom FlexNet Series |
| 91270-S | APTIS-AFP400 | Interface—Notifier AFP400 |
| FUSE REPLACEMENT | | |
| 30002 | | Fuse 1A 250V 3AG |
| 30040 | | Fuse, 2ASB |
| 99254-DTS | | Specification Data Sheet |

Kingfisher Company, inc., products must be used within their published specifications and must be PROPERLY specified, applied, installed, operated, maintained and operationally tested in accordance with their installation instructions at the time of installation and at least twice a year or more often and in accordance with local, state and federal codes, regulations and laws. Specification, application, installation, operation, maintenance and testing must be performed by qualified personnel for proper operation in accordance with all of the latest National Fire Protection Association (NFPA), Underwriters' Laboratories (UL), National Electrical Code (NEC), Occupational Safety and Health Administration (OSHA), local, state, county, province, district, federal and other applicable building and fire standards, guidelines, regulations, laws and codes including, but not limited to, all appendices and amendments and the requirements of the local authority having jurisdiction (AHJ).

NOTE: Due to continuous development of our products, specifications and offerings are subject to change without notice in accordance with Kingfisher Company, inc., standard terms and conditions.

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