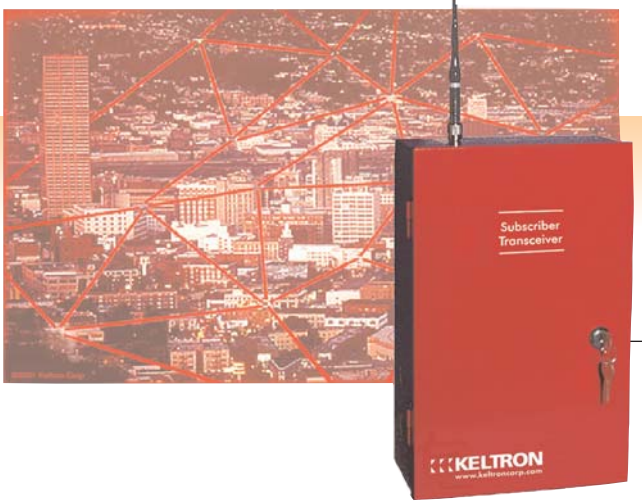
Datasheet

KELTRON

RF750F
Subscriber Unit Transceiver

NFPA UL LISTED



High Performance
Cost effective
Scalable
Operational Control
System Integrity

Keltron's RF750 subscriber unit transceivers provide wireless, two-way alarm transmission from subscriber locations to the central receiver. Replacing expensive and unreliable telephone lines, active network radio is a self-routing and self-healing solution that ensures instant life safety event monitoring over a wide geographic area.

Designed for use in campus facilities, industrial complexes or municipal environments, Each RF750 transceiver serves as both a transceiver and a repeater that improves the strength and range of the entire network. The two-way unit provides high integrity communications to ensure that the signal continues until answered.

Keltron's RF750 subscriber units are available in two models - the F Series and the L Series. The RF750F is an 8-zone transceiver that is able to receive multiple types of inputs. The RF750L is a 16-zone transceiver that receives direct input from 16 zones.

RF750 benefits

Speed - messages are delivered in less than two seconds - faster than any other method
Cost effective - excellent value unit, case-mount antenna and easy installation reduces expense
Scalable - multiple routing enables wide range web-like network with high capacity growth potential
High integrity - unique store-and-forward technology eliminates signal loss
Control - owner operation retains control of up time for the facilities manager

RF750F features

- 4 reversing voltage inputs, optically isolated for maximum ability, programmable for reversing relay type fire panel outputs
- 4 programmable zone inputs for general alarm applications, also optically isolated for maximum protection
- Built-in power supply and battery charger
- Digital dialer input using the IntelliTAP receiver to tap the alarm panel dialer output and transfer full alarm data by radio
- Alternate input module, 8 programmable EOL fire/security inputs
- Alternate input module, DataTap™ RS232 interface to addressable FACP

Keltron develops and manufactures secure, reliable, UL-listed fire and security alarm response management systems and components for the municipal and proprietary life safety markets. Products include radio fire alarm, coded fire alarm and high-line security systems, digital alarm receivers, universally compatible fire alarm control panel networking solutions and a full line of alarm annunciators. For more information, visit www.keltroncorp.com or contact us at 781-894-8710 X 26, or info@keltroncorp.com.

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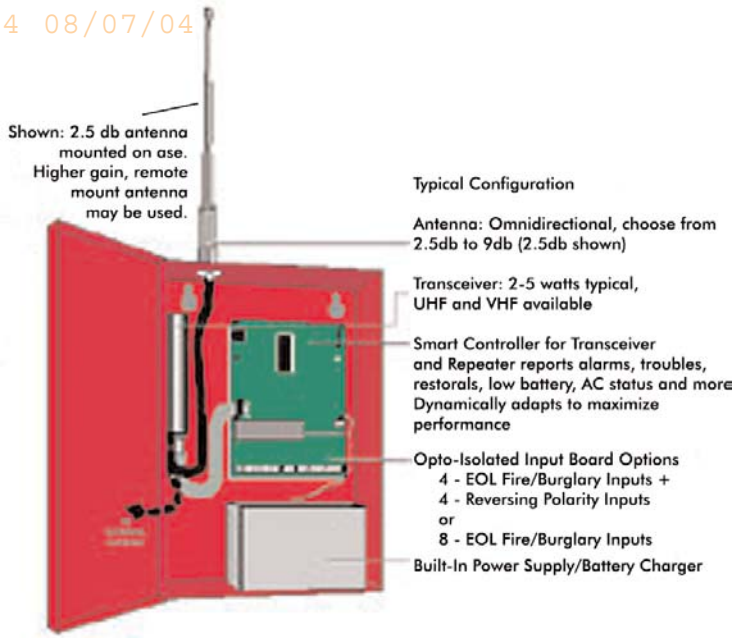

SPECIFICATIONS

8 Zones	4 programmable zones, NO/NC/ supervised (fire) ***plus-*** 4 reversing voltage inputs (fire) ***or-*** 8 programmable EOL fire/burglary inputs
Ack delay/ Antenna cut	Open collector output (local reporting)
Radio	Standard frequency range is 450-470 MHz, others available
Standard output power	2 watts, others available. All radio systems require FCC licensing
Power input	16.5VAC, 30VA, UL-listed class II transformer required
Handheld programmer	1 per network - used primarily during installation of the subscriber unit to set subscriber unit parameters. PN 10R7041
Voltage	12VDC nominal
Current	175 mA standby, 800 mA transmit (2 W transmitter)

Back-up battery	12V, 7AH (24h)/14AH 60hr), lead acid gel type
Low battery reporting	22.5 minute test cycle (approx.)
AC status reporting	Reports to central station after approximately 4 minutes without AC power, reports AC power restoral after approximately 4 minutes of restored power.
Colors	Available in standard colors: burglary beige or fire red. Please specify when ordering.
Operating temperature range	0 to 50° C
Storage temperature range	-10 to 60° C
Relative humidity range	0 to 85% RHC, Non-condensing

OPTIONS

IntelliTap	Satellite/remote dialer data receiver
DataTap	FACP data receiver
RF750F8	8 programmable EOL fire/burglary inputs

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