KCi *Kingfisher Company, inc.*

Features:

- Enables the formulation of low cost, extremely flexible communications networks.

- Enables the use of existing Radio, Ethernet, or Fiber Optic Network for Emergency Communications.

- Multiplexes voice audio and data over a standard Ethernet network.

- Using existing network infrastructure eliminating the need for leased lines and microwave sites.

- Facilitates centralized control of a communications network from a single computer.

- Capable of operating on 100 to 120VAC power, without any modification.

MNS Universal Building Interface Controller

Description:

The MNS UBIC is a is a self-contained Auxiliary Signaling Device that provides either Radio or Network connectivity to Emergency Communication Systems.

The MNS UBIC connects communications equipment to a digital network using Radio, Ethernet, or Fiber Optics. The MNS UBIC offers superior audio quality with a minimal use of network bandwidth.

The MNS UBIC is intended for use with emergency communication systems and King-Fisher Company, inc. products such as the KCi Emergency Communication System, KCi High Powered Speaker Arrays and KCi Map Client Software. The MNS UBIC is contained in a NEMA-1 cabinet and derives power from a 100 to 120VAC circuit.

The MNS has a unique Ethernet address and an RJ-45 physical jack. A 10/100BASE-T device operates at 100Mbps and interconnects to a hub (star topology) using standard CAT 5 twisted pair cable.

The MNS UBIC responds to DTMF tones compatible with Whelen sirens. It supports live voice and prerecorded audio transmitted over the KCi MNS network. It responds to status requests with it's Power Status.

Operation:

The MNS UBIC interfaces the Basic System Controller (BSC) by Fiber Optic Cable, Ethernet, or by Radio Transceivers, to the Building Voice / Mass Notification System. DTMF tones are sent by the BSC, which are interpreted by the Audio Interface Controller, which then sends the live audio sent from the BSC, to the Voice / Mass Notification System.

Specifications:

Input Power:	85 to 135 VAC, 50/60 Hz
Input Current:	0.15 Amps nominal, 0.50 Arms peak
Input Fuse:	1A 250V 3AG glass fuse
Ambient Operating Temperature:	20C (-4F) to 60C (140F)
Ambient Storage Temperature:	-40C (-40F) to 85C (185F)
Humidity:	5% to 95%, no condensing
Interfaces:	Single-mode Fiber Optic, Dual SC connectors (option S)
	Multimode Fiber Optic, Dual ST connectors (option M)
	VHF Radio, BNC connector (option R)
	Ethernet, RJ45 Connector (option E)
Audio Interface:	600 ohms AC-coupled
Audio Level:	-30 to +11 dBm, adjustable
Audio Vo-coder:	Selectable data rates: 13, 16, 24, 32 or 64 kbps
Audio Frequencies:	10 Hz to 3350 Hz
Programming Interface:	KFCi STAR Programming Cable (57959)
Programming Tools Needed (Customer Supplied):	PC-compatible computer with one free USB port (Windows XP, Vista or 7) Terminal emulator software (e.g. ProComm, HyperTerminal, MTTTY)
Dimensions:	18 1/8" x 12" x 3 3/8"

ORDERING INFORMATION

KCi #	Model #	Description
98610-E	KFMNSUBIC-E	MNS Universal Building Controller—Ethernet
98610-S	KFMNSUBIC-S	MNS Universal Building Controller—Single Mode Fiber
98610-M	KFMNSUBIC-M	MNS Universal Building Controller—Multi Mode Fiber
98610-R	KFMNSUBIC-R	MNS Universal Building Controller—Radio
98610-DTS		Specification Data Sheet