Message Systems

Communication Gateways

AmCom

W C M WIRELESS CONTACT MONITORING

NURSE CALL/ ALARM & SYSTEM MONITOR & CONTROL

fusion
COMPATABLE

- ☞ WIRELESS CONTACT & DTMF TRANSMITTER
- ☞ RELAY CONTACT CONTROL RECEIVER
- ☞ WIRELESS DATA ROUTER
- ☞ EXTENSIVE QTY* CONTACTS MONITORED
- ☞ DATA ROUTER CONFIGURABLE AS REPEATERS
- ☞ WIDE AREA OPERABILITY
- ☞ OPTIONS FOR:
- ☞ SERVICE CALL, NURSE CALL, ALARM MONITORING
- ☞ COMPATIBLE WITH FUSION AND COMMTECHMESSENGER

* 99999 IS SYSTEM MAXIMUM

SUITABLE FOR MANY APPLICATIONS

The Wireless Contact Monitoring Solution is suitable for many applications from service call initiation to alarm monitoring. Retail environments in isles and at till-points can utilise this effectively to activate staff requests through messaging.

Healthcare and Aged Care can utilise the wireless transmitters with great effect and wire multiple points per room/ ward, Security and Industrial Alarm & Event Monitoring is effectively and efficiently achieved with a cost effective unit per 8 inputs at each point.

SERIAL DATA FEED OF CONTACTS

Since all contact information is serially fed to a Fusion or Commtech Messenger system, limitless* contacts can be monitored, with unique IDs for each unit and its contact utilised. Alarm Contact ID Teledial input is converted to wireless.

BI-DIRECTIONAL CONTROL CAPABILITY

Utilising the additional receiver module, the transceiver can be used to control remote contacts efficiently and cost effectively.

PRODUCT NAME	ORDERING CODE
Data Router	DATATXRX
Contact Transmitter (8 Inputs)	ALMTX
Contact Receiver (4 Relays)	ALMTX_ RXADDON
Contact Transceiver (8 I/P, 4 O/P)	ALMTXRX
Mini Remote Transmitter (3button)	ALMREMOTE
Contact Tx Copper Whip	ALMTXRX WP

Message Systems
Communication Gateways

www.messagesystems.co.za
sales@messagesystems.co.za

Quentin Daffarn – Johannesburg Office
Mobile: +27 (0) 83 628 8184
quentin@messagesystems.co.za

Jonny Fantozzi – Cape Town Office
Mobile: +27 (0) 83 375 0023
jonny@messagesystems.co.za

WCM Wireless Contact Monitoring

PRODUCT SPECIFICATIONS

Predator Series Communicators and Keyring Remote Control

Item	Transmitter	Transceiver	Keyring Remote
Frequency Range	132 - 175 MHz	132 - 175 MHz	132 - 175 MHz
Channel Spacing	12.5KHz / 25 KHz / 6.25 KHz	12.5KHz / 25 KHz / 6.25 KHz	12.5KHz / 25 KHz / 6.25 KHz
Power Output	5Watt / 1-15 Watts Programmable	5Watt / 1-15 Watts Programmable	.1uW
Operating Voltage	9.6 to 15 Volts D.C.	9.6 to 15 Volts D.C.	12 Volts D.C.
Modulation	FM	FM	FM
Frequency Tolerance	> 5 ppm	> 5 ppm	> 5 ppm
Spurous Emissions - Harmonic	> 60dB	> 60dB	> 60dB
Spurous Emissions - Non Harmonic	> 70dB	> 70dB	> 70dB
Receiver Co Channel Rejection		6dB	
Receiver Sensitivity		-118dBm / 12dB Sinad	
Receiver Adjacent Channel Selectivity		-60dB	
Receiver Spurious Responses		better than -60dB	
Deviation	1.5 to 5KHz (adjusted automatically)	1.5 to 5KHz (adjusted automatically)	1.5 to 5KHz
Temparature Range	-10 to + 60 degC	-10 to + 60 degC	-10 to + 60 degC
Class of Emission	16F2D	16F2D	16F2D
Adjacent Channel Power	as per ETSI 300-086	as per ETSI 300-086	
Antenna Impedence	50 Ohm	50 Ohm	50 Ohm
Current - Standby	100uA	30mA	0mA
Current - Transmit 5 Watts	1.0 Amp	1.0 Amp	1uA at rated power
Current - Transmit 15 Watts	2.5 Amp	2.5 Amp	
Dimensions	100mm(w) x 80mm(h) x 35mm(d)	106mm(w) x 114mm(h) x 42mm(d)	35mm(w) x 67mm(h) x 14mm(d)
Mounting	2 X 7mm keyholes	2 X 7mm keyholes	Keyring
Antenna Socket	Clamp Terminal	Clamp Terminal	Internal Antenna
I/O Connections	Screw Terminals	Screw Terminals	Push Button
Transmission Duration	< 300mS	< 300mS	< 300mS
Signal Composition	5 digit code + 16 different telemetry signals as programmed by the installer	5 digit code + 16 different telemetry signals as programmed by the installer	5 digit code + 3 different telemetry signals as programmed by the installer
Operation on change of State of an Alarm Input	Transmits alarm signal up to 9 times (programmable) at staggered time intervals (based on the ID Code)	Checks and waits for channel to be free and only then transmits the signal. Requires a kiss off (acknowledgement) from base. If none is received within 1.5 sec, repeats procedure up to 9 times (programmable). Last transmission is sent irrespective of busy channel	Transmits signal and illuminates the LED indicator. Panic message can be automatically repeated up to 3 times
Operation on Instruction received from the base station	N/A	Responds with an acknowledgement after performing the required action on the output pin.	N/A
Operation on Interrogation from the base station	N/A	Responds with the status of all telemetry I/O's and battery high/low	N/A
Operation on Panic from Keyring	N/A	Transmits Remote Panic Alarm Message	N/A
Operation on Instruction from Keyring		Changes the state of the Telemetry Output	
Operation on Arm/Disarm from Keyring	N/A	Changes Arm/Disarm state & transmits the change of state to the control room	N/A
Standard Features	8 Digital Telemetry I/O's Operating/Transmit LED's Reverse Polarity Fuse	8 Digital Telemetry I/O's Operating/Transmit/Channel Busy LED's Reverse Polarity Fuse	3 Programmable Buttons Transmit LED
Programmable Options	Frequencies All Telemetry I/O for Hi/Lo/Both Trip Certain Telemetry I/O's as Outputs Transmitter PreAmble Time Group Membership Number of reattempts Keypad Arm/Disarm Live Panic Input Alarm Input Filter Siren Output with max on time Strobe Lamp Output Silent / Loud Panic	Frequencies & Alternate frequency All Telemetry I/O for Hi/Lo/Both Trip Certain Telemetry I/O's as Outputs Transmitter PreAmble Time Group Membership Number of reattempts Keypad Arm/Disarm Live Panic Input Alarm Input Filter Siren Output with max on time Strobe Lamp Output Silent / Loud Panic Over the Air Arm/Disarm	Frequency Button 1 Frequency Button 2 & 3 Message Button 1 Message Button 2 Message Button 3 Number of Transmissions

Measurements in accordance with ETS 300-086

Due to our continued effort to improve our products we reserve the right to change specifications without notice