FTX REPEATER

SOFTWARE VERSION
S0064R26

M000047

UNIVERSAL REPEATER
GENERAL FEATURES

The Universal repeater is a microprocessor based product designed to repeat signals from MAMI alarm panels to the receiving base in the control room.

Signals are received in both the standard DTMF protocol and the fast FTX protocol, re-transmitted in either the standard DTMF protocol or the fast FTX protocol. The mode of re-transmission is optionally programmable to:

Repeat the incoming protocol as it is. DTMF to DTMF.
Repeat all incoming signals as DTMF, DTMF and/or FTX to DTMF.
Repeat all incoming signals as FTX. DTMF and/or FTX to FTX.

This repeater is open to all code formats, i.e: MAMI Code 15 (R_COM), MAMI Code 17 (WNET) and Contact ID without any reconfiguration.

Signals to be repeated only need to address the selected repeater (match option reg 21, programmed at option reg 20 on the tracer panels). The repeater's option reg 21 will determine whether to send to the next repeater or send an ID character to the base station.

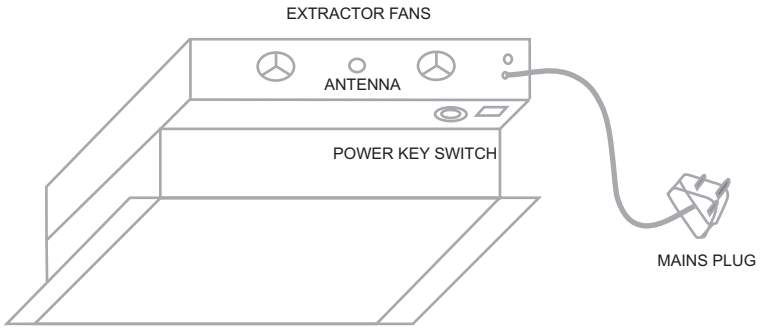
The repeater monitors its own condition and will send to the control room the following signals:
Mains fail condition
Battery low condition
Auto test
System arm/disarm
Zone alarm

A siren can be connected for audible alarm, arm and disarm annunciation.

This repeater includes functions of an alarm panel with optional programmable zones. Refer to the programming section for more information on the features available.

The zones can be armed and disarmed via the key switch or the keypad.

REPEATER BACK VIEW



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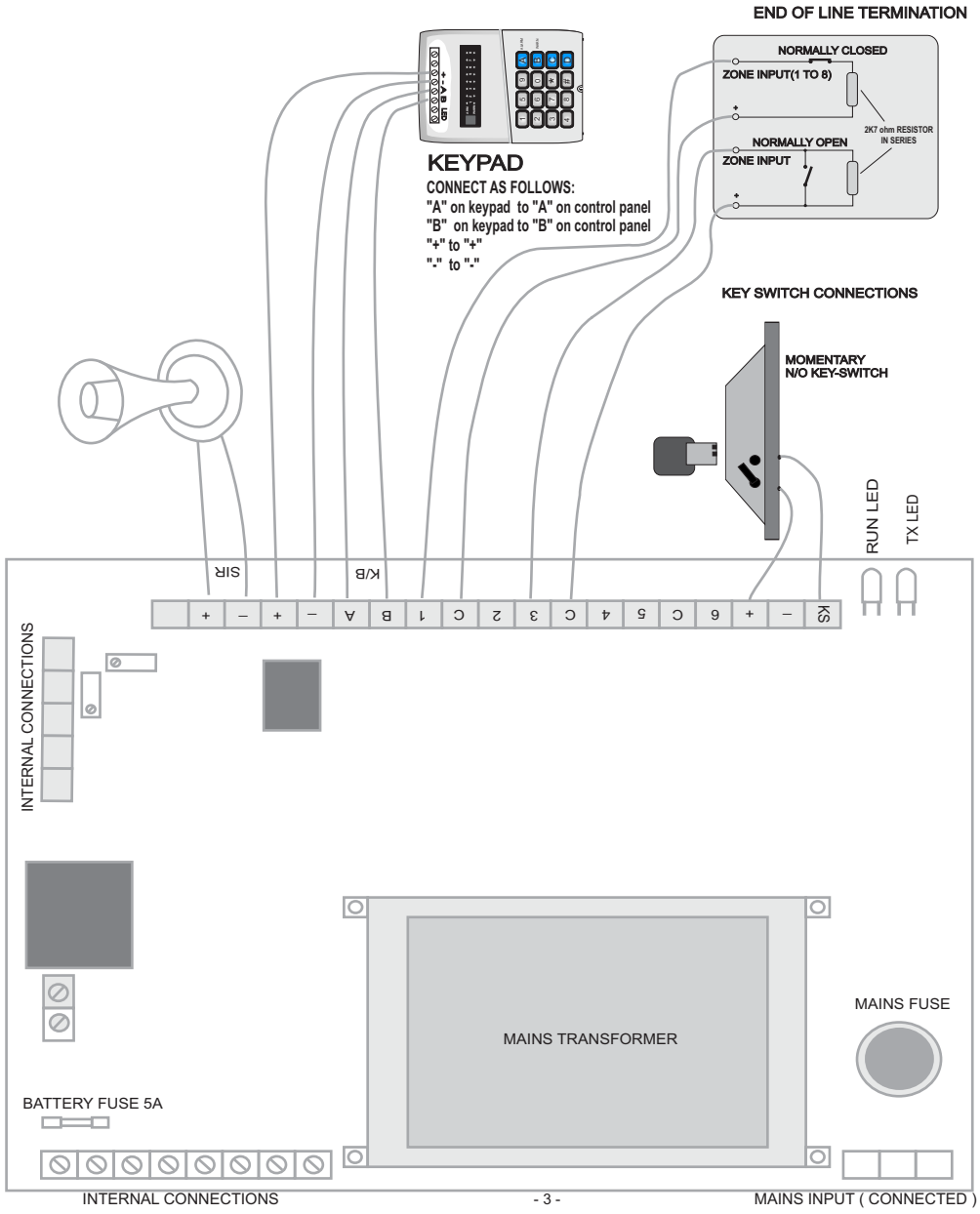
UNI REPEATER CONNECTIONS

Please note that all connections are already done except for the ones shown in the diagram



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NOTE: ALL PROGRAMMING IS PERFORMED THROUGH THE STANDARD TRACER KEYPAD (S0032A3X)

DEFAULTING THE SYSTEM (ERASING MEMORIES)

ERASE KEYBOARD MEMORY: 1 0 0 0 # 9 (HOLD TILL BEEP)
After this command the unit will reset to load the default values!
NOTE: THIS OPERATION WILL ERASE ALL PRESENT VALUES AND RESTORE THE FACTORY-DEFAULT VALUES INCLUDING KEYBOARD SETTINGS AND USER CODES ! ! !

ERASE MEMORY IN CONTOL UNIT: 1 0 0 0 # 0 9
After this command the unit will reset to load the default values!
NOTE: THIS OPERATION WILL ERASE ALL PRESENT OPTIONS AND RESTORE THE FACTORY-DEFAULT VALUES INCLUDING ZONE, OPTIONS, WIRELESS CODES ETC ! ! !

ERASE BOTH CONTROL-UNIT AND KEY-BOARD MEMORIES: 1 0 0 0 # 2 9
After this command the unit will reset to load the default values!
NOTE: THIS OPERATION WILL ERASE BOTH THE MEMORY IN THE KEY BOARD AND THE CONTROL UNIT AND RESTORE THE FACTORY-DEFAULT VALUES . IT COMBINES THE ABOVE 2 COMMANDS

PROGRAMMING THE GLOBAL FUNCTION REGISTERS

OPTIONS REGISTER NO. 1: 1 0 0 0 # 0 1

NOTE: ● = ON ○ = OFF

		FACTORY DEFAULT
SPARE	SPARE	○ 1
SPARE	SPARE	○ 2
ON = AUXIL SIGNALS ON BUZZER AND SIREN	OFF = AUXIL. SIGNALS ON BUZZER ONLY	● 3
SPARE	SPARE	○ 4
SPARE	SPARE	○ 5
SPARE	SPARE	○ 6
SPARE	SPARE	○ 7
SPARE	SPARE	○ 8

OPTIONS REGISTER NO. 2: 1 0 0 0 # 0 2

		FACTORY DEFAULT
ON = SEND FTX PROTOCOL	OFF = SEND DTMF PROTOCOL	○ 1
ON = SEND TO WNET BASE	OFF = SEND TO OPEN BLOCK BASE	○ 2
ON = ENABLE ALL REPEATER FUNCTION	0FF = DISABLE ALL REPEATER FUNCTION	○ 3
ON = REPORT ARM/DISARM	OFF = DO NOT REPORT ARM/DISARM	○ 4
ON =REPORT SYSTEM BATTERY LOW	OFF = NO REPORT	○ 5
ON = REPORT SYSTEM MAINS FAILURE	OFF = NO REPORT	○ 6
ON = REPEAT FIXED FORMAT (BIT 1)	OFF = REPEAT INCOMING FORMAT	○ 7
SPARE	SPARE	○ 8

PROGRAMMING THE CHECK IN TIME (SELF TEST INTERVAL)

For the next option you need to enter a value between 0 and 250.

EXAMPLE: - To set the ***check-in interval time*** to 24 hours enter:: ***1 0 0 0 # 1 8 0 2 4 (hrs)***

FACTORY DEFAULTS

NOW! CHECK-IN INTERVAL (HRS): 1 0 0 0 # 1 8 0 2 4 (24HRS)

N.B. - A CHECK-IN INTERVAL VALUE OF "0" WILL AUTOMATICALLY DISABLE THE OPTION (NO CHECKING-IN TRANSMISSION).
- THE "EXIT" DELAY IS AUTOMATICALLY SET TO DOUBLE THE "ENTRY" DELAY

IDENTIFICATION REGISTERS

SUBSCRIBER I.D. SETTING (REPEATER /CSID CODE)

This is the CUSTOMER i.d. NUMBER sent to the BASE STATION

(FIRST DIGIT) (1 TO 9999) (4TH DIGIT)

PROGRAM THE SUBSCRIBER ID: 1 0 0 0 # 1 C # ? ? ? ?

AFTER ENTERING THE 4TH DIGIT THE NEW CODE IS AUTOMATICALLY STORED IN MEMORY

READ THE SUBSCRIBER ID: 1 0 0 0 # 1 C * 8

THE CURRENT SUBSCRIBER CODE WILL BE DISPLAYED ONE DIGIT AT THE TIME.

PROGRAMMING THE NEXT (OR BASE) REPEATER NUMBER

Set the Repeater Number: 1 0 0 0 # 2 0 # 1 — REPEATER "1"

Display the Repeater Number: 1 0 0 0 # 2 0 * 8 — *THE CURRENT REPEATER NUMBER WILL BE INDICATED.*

PROGRAMMING THIS REPEATER NUMBER (From alarm panels)

Set the Repeater Number: 1 0 0 0 # 2 1 # 1 — REPEATER "1"

Display the Repeater Number: 1 0 0 0 # 2 1 * 8 — *THE CURRENT REPEATER NUMBER WILL BE INDICATED.*

Summary of ALL Key-Pad entries

PROGRAMMING THE OPTION REGISTERS (ONLY THROUGH TO THE INSTALLER PASSWORD)

NOTE: PLEASE NOTE THAT NOT ALL OF THE BELOW MENTIONED OPTIONS ARE AVAILABLE ON THE REPEATER. PLEASE KEEP ONLY TO THE OPTIONS MENTIONED IN THE REPEATER MANUAL TO AVOID UNDESIRED FUNCTIONS.

1000 # 0 1 = SET OPTIONS 1 OF THE SYSTEM
1000 # 0 2 = SET OPTIONS 2 OF THE SYSTEM

1000 # 0 4 = SET DET. DELAY FOR EACH ZONE.
1000 # 0 5 = SET SIREN ACTIVATION.
1000 # 0 6 = SET OPEN / CLOSE REPORTING
1000 # 0 7 = SET ALM / RESTORE REPORTING
1000 # 0 8 = MODE REGISTER
1000 # 0 9 = ERASE EEPROM IN THE CONTOLUNIT
1000 # 0 A = SET LEVEL A

1000 # 1 5 = PERMANENT ACTIVE ZONE
1000 # 1 6 = ENTRY/EXIT DELAY
1000 # 1 7 = ENTRY/EXIT DELAY VALUE
1000 # 1 8 = CHECK-IN TIME
1000 # 1 9 = SIREN DURATION

1000 # 1 C # = PROG CUSTOMER ID CODE
1000 # 1 C * = DISP CUSTOMER ID CODE

1000 # 2 0 # = PROGRAM "NEXT" REPEATER Number
1000 # 2 0 * = DISPLAY "NEXT"REPEATER Number
1000 # 2 1 # = PROGRAM the REPEATER Number
1000 # 2 1 * = DISPLAY the REPEATER Number

1000 # 2 9 = ERASE EEPROM IN BOTH KEYPAD AND THE CONTOLUNIT