

# GDX Audio Handset (GDX5 2B)



## Terminals

- 1 Mic (Speech Out) white/blue
- 2 Speaker (Speech In) blue/white
- 3 Ov white/orange
- 4 12 VDC orange/white

### **IMPORTANT NOTE :**

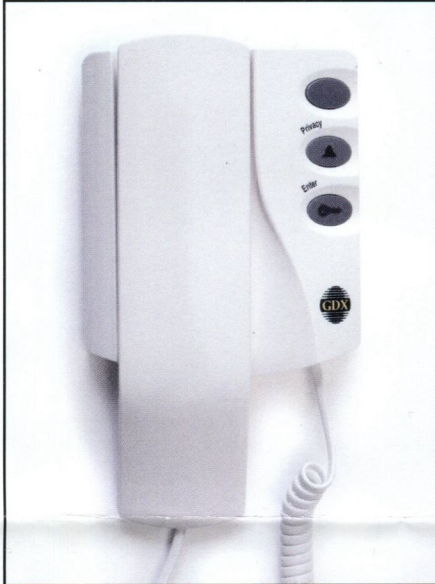
1) Before replacing the handset make note of the wires to each terminal on the existing unit (an easy way is to cut each core off leaving a piece of the insulation in place with colour visible) twist unused cores together (so you know they are not used, do not short them out).

2) Some older systems will have cable with one coloured core and a solid white core in this case mark each core with a marker or tape.

3) Some systems may have loop on wiring, you will have 2 cables into your handset (make sure any joins remain, as these may be serving other flats on the system).



# Handset Users Guide



## General Description

Your door entry handset allows you to communicate with the door entry call panel and then release the door if required.

## Operation

If your handset rings and the Bell symbol on the Privacy button lights up green then a call has been made to your handset from the door entry panel.

If you wish to answer the call lift the handset and talk to the visitor. If you wish to admit the visitor then press the Enter button with the Key symbol on it and the Key symbol will light up red and flash on and off to indicate the door has been released. If you do not wish to admit the visitor then simply replace the handset to end the call.

If you do not wish to be disturbed then press the Privacy button and the Bell symbol on the privacy button will light up red to indicate that calls to your handset cannot be made. To revert to normal operation press the Privacy button again and the red light on the Bell symbol will go out again. To prevent you accidentally leaving your handset in privacy mode the system will automatically set your handset back to normal mode after a preset period of time.

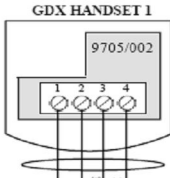
If the Key symbol on the Enter button lights up red and stays lit this indicates that the door at the entrance to your block has been left open. Closing the door will reset this.

If for any reason your handset is off hook your handset will not ring when called.



APARTMENT STATION WIRING IS IDENTICAL TO HANDSET WIRING.

3 PAIR CW1308 CABLE (MAXIMUM 50 METRES)

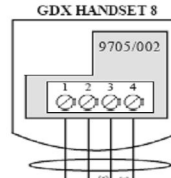


THE CABLING SPECIFICATIONS QUOTED ARE NOT VALID FOR UNDERGROUND CABLING.  
 ALL POWER CABLE SPECIFICATIONS GIVEN ARE ILLUSTRATIVE ONLY AND MUST BE SELECTED DEPENDANT ON SITE SPECIFIC CABLE LENGTHS AND LOCK TYPES TO AVOID EXCESSIVE VOLTAGE DROP WITHIN CABLING.

If Radio Interference Is Picked Up On The Handset Cabling Then Unconnected Cores Within A Handset Cable Should Be Grounded to 0V (No 3 Screw) At Both Ends Of The Cable.

If This Is Not Effective In Dealing With The Problem Then A Suitable Screened Cable Can Be Utilised To Prevent The Pickup.

If This Is Still Not Effective Then A Ferrite Core (Steward Part No 28B1020-100) Should Be Added Onto The Handset Cabling Output Within The Control Rack Enclosure (Grouped In 4's).



APARTMENT STATION WIRING IS IDENTICAL TO HANDSET WIRING.

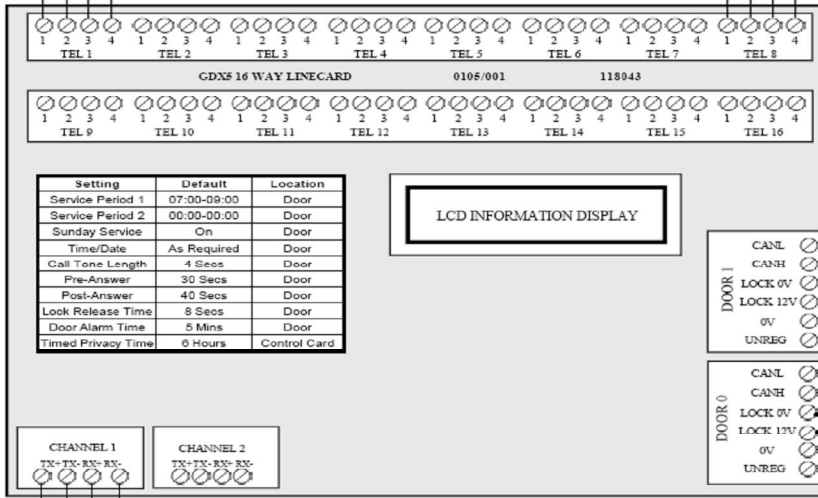
3 PAIR CW1308 CABLE (MAXIMUM 50 METRES)

A PARALLEL SLAVE HANDSET CAN BE ADDED ONTO A MAIN HANDSET.

REMOVE LINKS LK1 & LK2 IN THE 2ND HANDSET ONLY AND CONNECT WIRES 1,2,3,4 & "EXT PRIV+" BETWEEN THE TWO HANDSETS.

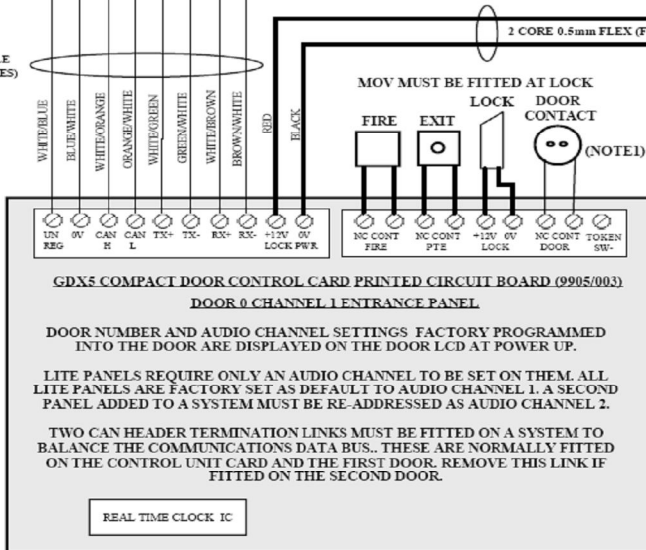
ONLY 1 PARALLEL SLAVE HANDSET CAN ADDED PER MAIN HANDSET.

THIS APPLIES TO APT STATIONS ALSO BUT NOT TO VIDEO HANDSETS. ONLY A SLAVE AUDIO HANDSET CAN BE ADDED ONTO A MAIN VIDEO HANDSET.



NOTE THE CABLING CROSSOVER BETWEEN RX AND TX AUDIO CONNECTIONS.

6 PAIR CW1308 CABLE (MAXIMUM 100 METRES)



AS THE LOCK RELEASE, PUSH TO EXIT AND FIREMAN'S SWITCH ALL CARRY THE LOCK CURRENT THEY SHOULD BE RATED ACCORDINGLY ie. 0.5mm 2 CORE FLEX OR SUITABLE TO EACH ONE. (DOES NOT APPLY TO DOOR CONTACT)

NOTE 1 :

DO NOT USE THE CONTACTS WITHIN MAGNETIC LOCKS FOR THE DOOR CONTACT. USE SECURITY CONTACTS INSTEAD FOR DOOR OPEN INDICATION IF REQUIRED.

POWER REQUIREMENTS

THE CONTROL UNIT REQUIRES A MAINS INPUT OF 220VAC / 240VAC 50/60 Hz AND A SUITABLE EARTH CONNECTION INTO THE SWITCHED FUSED SPUR. THIS EARTH CONNECTION PROVIDES THE SAFETY EARTH FOR THE CONTROL UNIT ENCLOSURE AND BACKPLATE.

The following table gives the location, type and rating of each fuse utilised -

Ref	Name / Location	Type	Rating
FM	Mains Fuse Within Spur	240VAC HBC Quick Acting	3A
FS1	Board Fuse On Linecard *	20mm Glass Quick Blow	3A / 6A **
FS2 - FS5	Door Fuses On Linecard *	20mm Glass Quick Blow	1.6A

\* Fuses Located In Vertical Fuse Holders On Card

\*\* Select Depending On Power Requirements Of Door Locks Used

IF SYSTEM IS A 2 DOOR SYSTEM THEN THE 2ND DOOR OR STAND ALONE TOKEN ACCESS READER IS CONNECTED AS SHOWN FOR THE 1ST ONE EXCEPT USING THE DOOR 1 CHANNEL 2 CONNECTIONS. (A STAND ALONE TOKEN ACCESS READER WILL NOT REQUIRE THE AUDIO CHANNEL CONNECTIONS) THE READER MUST BE ADDRESSED AS THE NEXT AVAILABLE DOOR NUMBER ON THE SYSTEM AFTER THE DOORS AFTER THE DOORS HAVE BEEN NUMBERED.