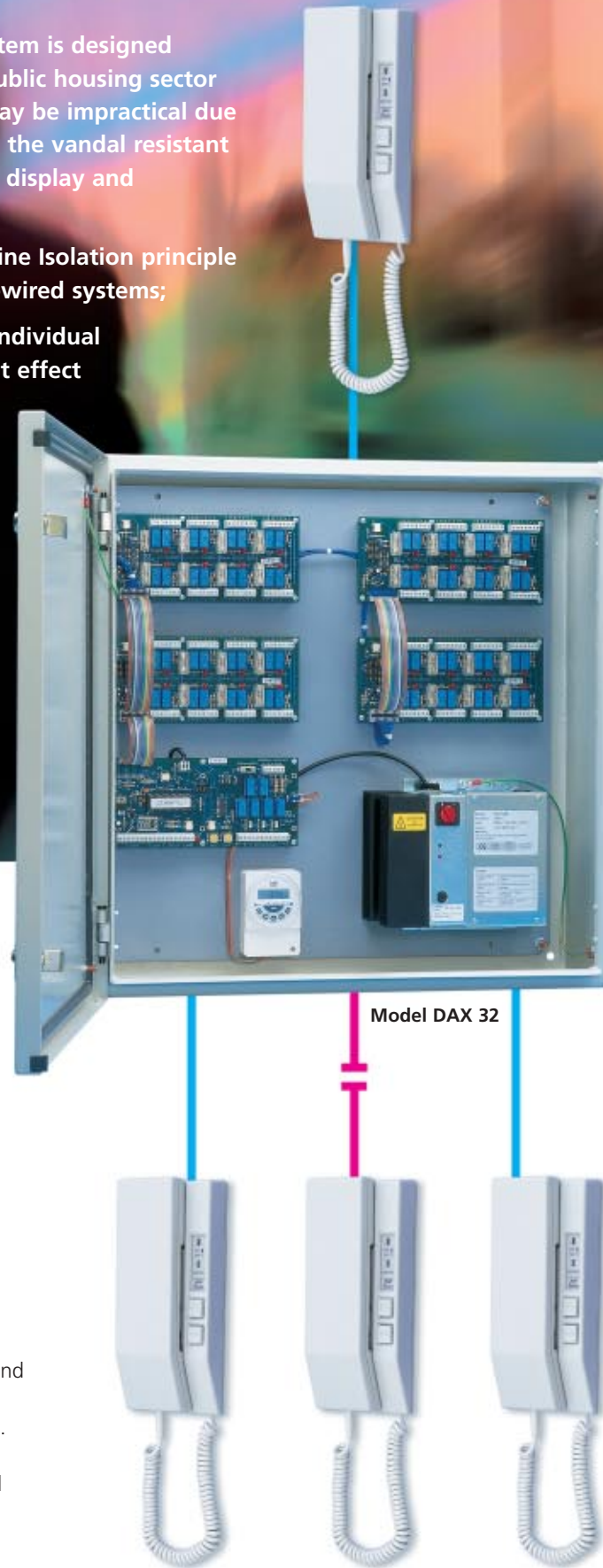# Dax Isolating Exchange Digital Door Entry System

The DAX digital door entry telephone system is designed primarily for large blocks of flats in the public housing sector where a conventional door entry panel may be impractical due to its size. The entrance panel is based on the vandal resistant LCP design and incorporates a large, clear display and well-spaced buttons.

The DAX digital system operates on the Line Isolation principle which has two advantages over common-wired systems;

- Any malicious damage sustained to an individual telephone or its associated cable will not effect the operation of the rest of the system.
- The telephone conversation between the tenant and the caller is totally private.
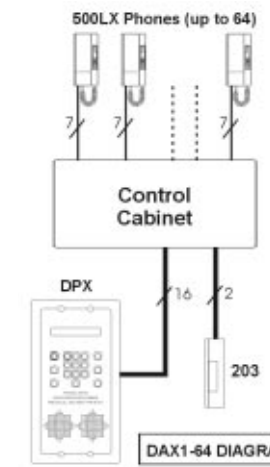
**Model DAX 32**

## System features

- up to 256 flats
- up to 4 entrances
- large LED dot matrix display
- 4 digit alpha-numeric flat numbers
- 4 digit coded access facility
- trades facility
- porter facility
- standby battery backup
- outputs for failsafe and failsecure releases

## Model DPX-LED Front Door Panel

- The front-plate consists of an overlapping bezel and a removable plate cut by a laser from the same sheet of 2.5 mm 316 marine grade stainless steel. This leaves a gap of just 0.2 mm rejecting implements that could be used to force the panel from its box.
- The bezel is securely welded to a back-box of 1.5 mm 316 grade stainless steel. This provides an extremely strong fixing to the wall.
- The removable plate is fixed to the bezel and back box with countersunk A2 stainless steel security bolts requiring the use of a specialist tool for their removal (supplied).

- The LED dot matrix display module offers excellent visibility with large red characters. A transparent LEXAN window gives maximum protection from vandals.

500LX Phones (up to 64)

Control Cabinet

DPX

203

**DAX1-64 DIAGRAM**

**Model DPX-LED-VID**

**Model DPX-LED**

- Stainless steel vandal resistant push-buttons are used throughout.
- Clear operating instructions are engraved on the panel in black.
- The speech module is securely held in place behind the grill with studs.
- Options can include cutouts for a Video camera and PAC readers (or other proximity readers with stud fixings).

## DPX-LED

Dimensions: H = 330mm, W = 190mm, D = 60mm
Back-box: H = 305mm, W = 160mm, D = 58mm

## DPX-LED-VID (with camera)

Dimensions: H = 405mm, W = 190mm, D = 60mm
Back-box: H = 380mm, W = 160mm, D = 58mm

## Model DAX exchange control

All the control equipment is installed in one or more IP55 rated secure lockable steel cabinets. Each cabinet contains one or more of the following components;

- All necessary control equipment
- 8 way Relay PCB's for connection of telephones
- Model TS2000 7 day quartz reserve Time Clock
- 12VDC 4A power supply with standby facility
- optional 12v 6A/H lead-acid battery

The control has LED diagnostics and Test modes for commissioning and maintenance purposes.

System Programmable features

- lock release duration
- speech connection time
- telephone call tone time
- 4 digit access code
- trades button operation; 4 modes
- Porter flat number
- door open indication; 2 modes and optional delay time

## Telephones

Any of our DC type telephones may be used with the DAX exchange. Each telephone connected to the DAX control will have 'privacy of speech' due to the line isolation. To achieve full isolation, each telephone station must be individually and directly cabled to the DAX control. However, the system is able to operate in partial isolation mode commonly referred as 'zone isolation' for more economic cable installation.