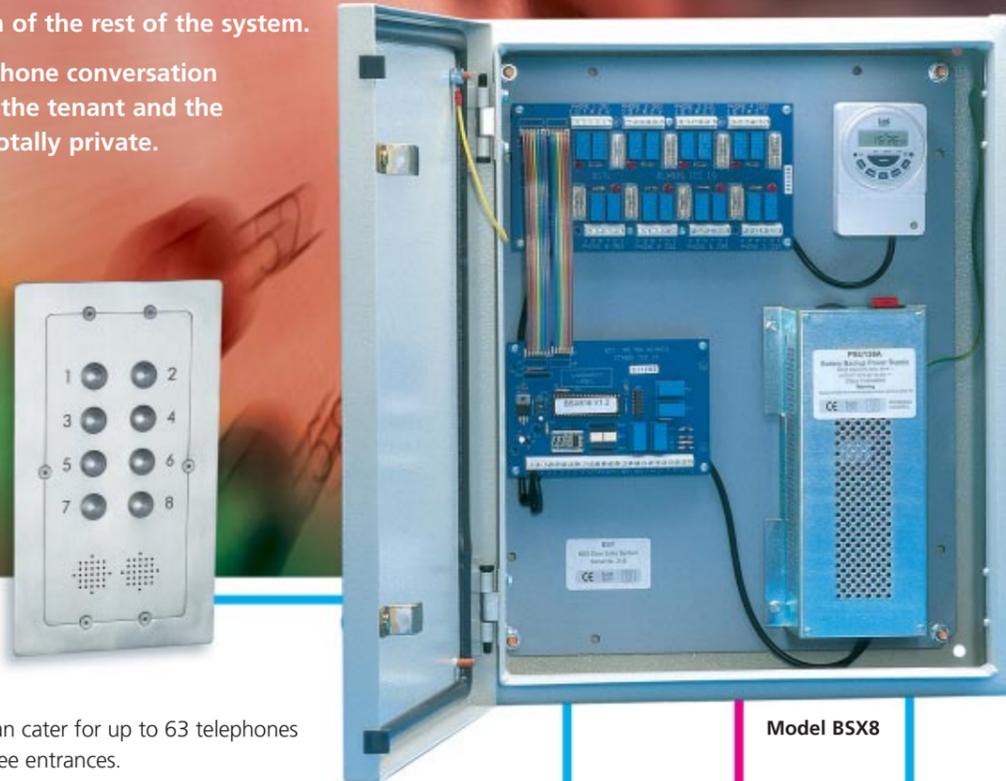


# BSX Isolating Exchange Door Entry System

The BSX door entry system is designed to overcome problems experienced by local authority and public housing where door entry systems are often subject to vandalism from visitors and tenants. The BSX 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.



The system can cater for up to 63 telephones and up to three entrances.

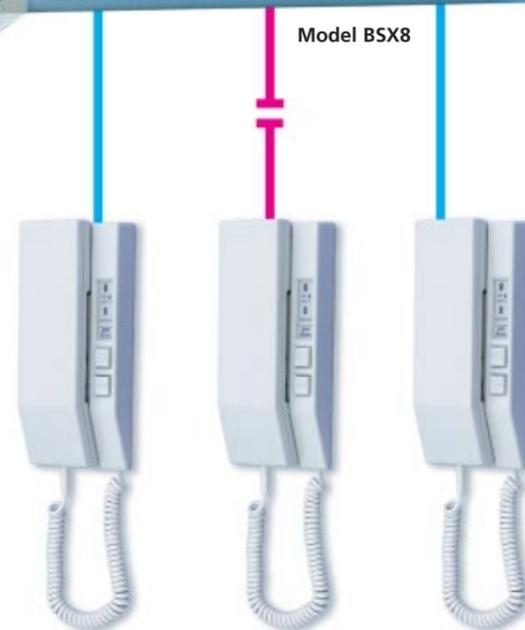
## Each system includes:

Tradesmen/Service entry, a fire-switch input, battery standby facility and timed lock outputs as standard. The central exchange unit with diagnostic LED's simplifies maintenance and any part can easily be exchanged with readily available spares.

## The BSX control unit

The BSX control equipment is housed in a secure lockable steel IP55 rated cabinet and can include the following:

- Isolating fused PCBs for connection to the telephones.
- A model TS2000 7 day quartz reserve time clock for service access
- Fully isolated stabilised power supply with battery connections.
- A control PCB for each entrance providing timed outputs for door releases (failsafe and fail secure), output tones and inputs for fire switches and trades buttons.
- A 12V 6 A/H battery for standby.
- Optional access control e.g. PAC Easikey



Control units are available from a basic 8 station control unit (BSX8) and then in multiples of 8 up to a maximum of 64 (BSX64)



## Telephones

Any of our DC type telephones may be used with the BSX exchange. Each telephone connected to the BSX control will have 'privacy of speech' due to the line isolation. To achieve full 'line-isolation', the telephones must be individually cabled directly to the control unit.

## Front door panels

The model VRP and model LCP panels are recommended for use with the BSX system due to their vandal resistance.

## Tone output

This output may be connected to a DC sounder sited at the entrance as a re-assurance to the visitor that a call has been made and to indicate when the lock release has been operated.

## Service/tradesmen push-button

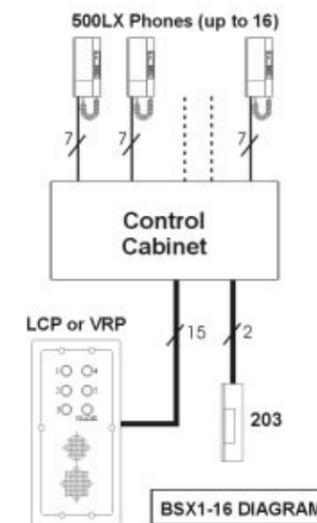
The facility for a time-restricted entry for tradesmen is included on the BSX control. The operation of the Trades push-button will only trigger the door release when the time clock within the BSX control is set to an ON period.

## Fire services switch

A remote switch for use by the Fire or Emergency Services can be wired to the FIRE connections in the BSX control to permanently release the lock release in the event of an emergency (a continuously rated type release should be used)

## Electric lock release

The BSX control provides two alternative outputs for lock releases; FAILSECURE or FAILSAFE (including magnetic locks).



## Ordering Information:

For a full system quotation please contact our Sales Department.

For technical specifications and wiring diagrams please use the faxback form on page 40 or visit our website at: [www.bellsystem.co.uk](http://www.bellsystem.co.uk)