

Installation Guide

smart controls

Repeater Box

For
SmartSqrbo
and
SmartBoxer
systems

NUAIRE

NuAire Limited,
Western Industrial Estate,
Caerphilly, Mid Glamorgan,
CF83 1XH, United Kingdom.
Tel: 01222 885911 Fax: 01222 887033
Email: info@nuaire.co.uk

Leaflet 670827

MAY 1999

NOTE: THIS IS A DIAGRAMMATIC DRAWING
INDICATING TYPICAL LAYOUT ONLY

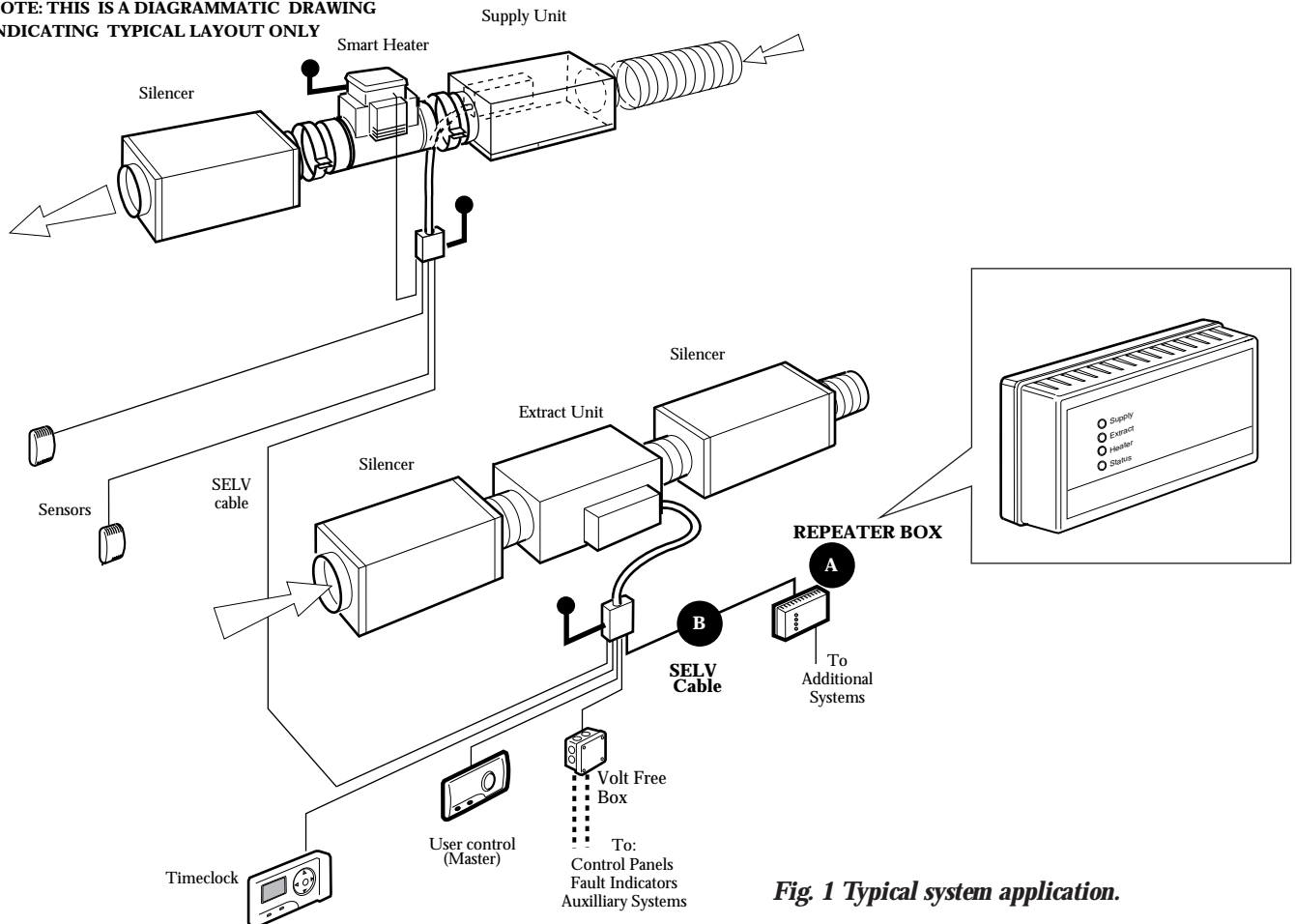


Fig. 1 Typical system application.

Parts check list

- A** SS-REPEATER Repeater Box
- B** 1 off 10 metre length of plugged SELV cable

SS-REPEATER Repeater Box

Designed to be used with the Smart Sqrbo range of supply and extract fans the RepeaterBox is supplied with a pre-plugged 10m length of communications cable.

The Repeater Box operates on Safe Extra Low Voltage and is powered from the fan control module

This box is used to link additional Smart Sqrbo systems to another.

Communications cable

A 10m length of Safe Extra Low Voltage communications cable (SELV) with plugs attached, is supplied with the sensor.

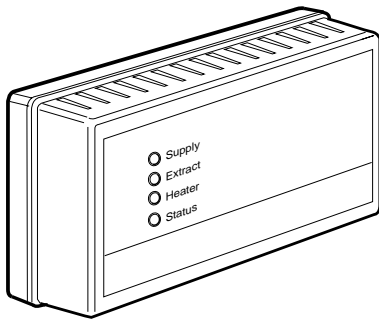


Fig. 2

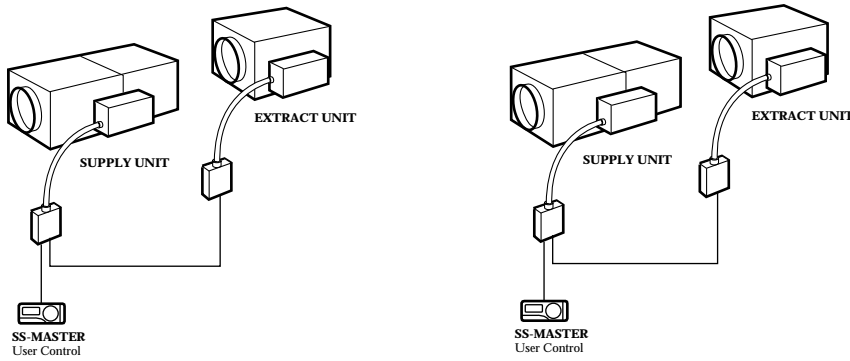


Fig. 3 Two independent Smart systems

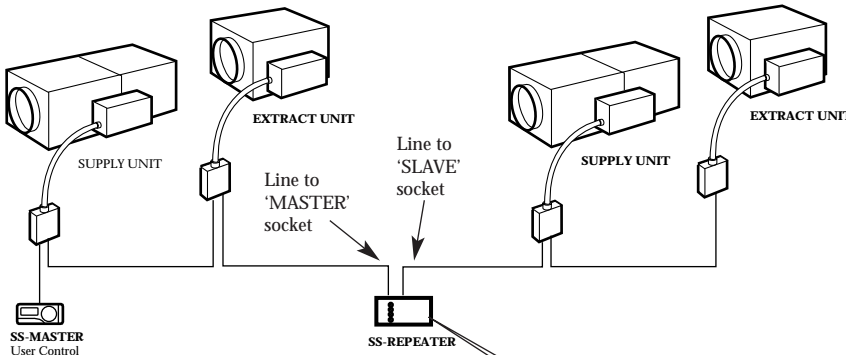


Fig. 4 Two Smart systems managed by a single user control

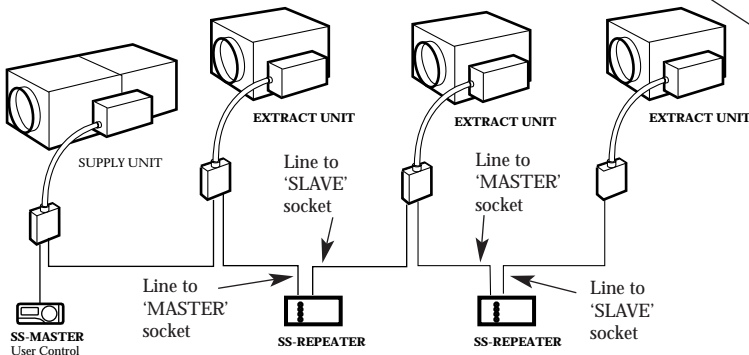


Fig. 5 One Smart system with two additional extract units managed by a single user control

Repeater Box (SS-REPEATER)

Installing the Repeater Box

The Repeater Box is supplied complete with 10 metres of connecting cable with plugs attached.

Linking Systems

The Repeater box is used to link multiple Smart Sqrbo and Smart systems together. (Fig 3).

For each additional system a repeater is required.

The number of systems that can be linked using the repeater boxes is unlimited.

Additional single supply and extract units can be added to Smart systems using a repeater. (See fig 4).

Repeaters and Sensors

Repeaters function the in the same way as user controls. If sensors are located within a repeated system, the sensor(s) readings will be used to control that repeated system.

If no sensors are located within the repeated system, the fans will be controlled as per the previous set of fans.

Controls Application Service (CAS)

A team of Engineers and technicians is available to provide pre and post order support.

We are on hand to provide help and advice from the most basic use of any NuAire equipment to the more complex applications, maximising on the versatility of our SMART and NetLink control products.

Telephone: **01222 858585**

Facsimile: **01222 858586**

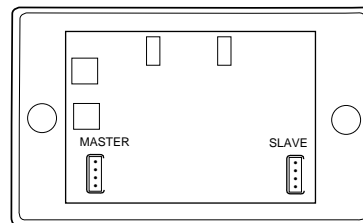




Fig. 6 Master & Slave sockets inside repeater box

*We declare that the equipment named below
conforms to the requirements of EC Council Directive
relating to Electromagnetic Compatibility*

Designation of equipment :-	SMART CONTROLS
Equipment Types :-	SS-REPEATER
Relevant EC Council Directives :-	89/336/EEC, 92/31/EEC (EMC) 73/23/EEC, 93/68/EEC (Low Voltage Directive)
Applied Harmonised Standards :-	E50081-1, EN50082-1, EN60204-1
Basis of Self Attestation :-	Quality Assurance to BS EN ISO 9001 BSI Registered Firm Certificate No. FM 149

Signature of manufacture representatives :-

	Name:	Position:	Date:
1)	 C. Biggs	Technical Director	2. 10. 98
2)	 Michael J. Fussell	Manufacturing Director	2. 10. 98

Controls Application Service (CAS)

A team of Engineers and technicians is available to provide pre and post order support.

We are on hand to provide help and advice from the most basic use of any NuAire equipment to the more complex applications, maximising on the versatility of our SMART and NetLink control products.

Telephone: 01222 858585

Facsimile: 01222 858586

Service

As a manufacturer NuAire can provide you with factory trained Service Engineers.

Our Engineers are supported by a comprehensive range of spare parts 'off the shelf'.

If you are an industrial or commercial user, you may be interested in details of NuAire's regular maintenance Service Contracts. This is a worthwhile service that helps you get the most from our products.

Our Service Department will be happy to give you more information.

Please telephone: **01222 858271**

Technical or commercial considerations may, from time to time, make it necessary to alter the design, performance and dimensions of equipment and the right is reserved to make such changes without prior notice.

NUAIRE

**Western Industrial Estate,
Caerphilly, Mid Glam CF83 1XH
United Kingdom.
Telephone: 01222 885911
Facsimile: 01222 887033,
Email: info@nuaire.co.uk**

Leaflet No. 670827