

Installation Guide

smart controls

User Control

For
SmartScurbo
and
SmartBoxer
systems

NUAIRE

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NOTE: THIS IS A DIAGRAMMATIC DRAWING
INDICATING TYPICAL LAYOUT ONLY

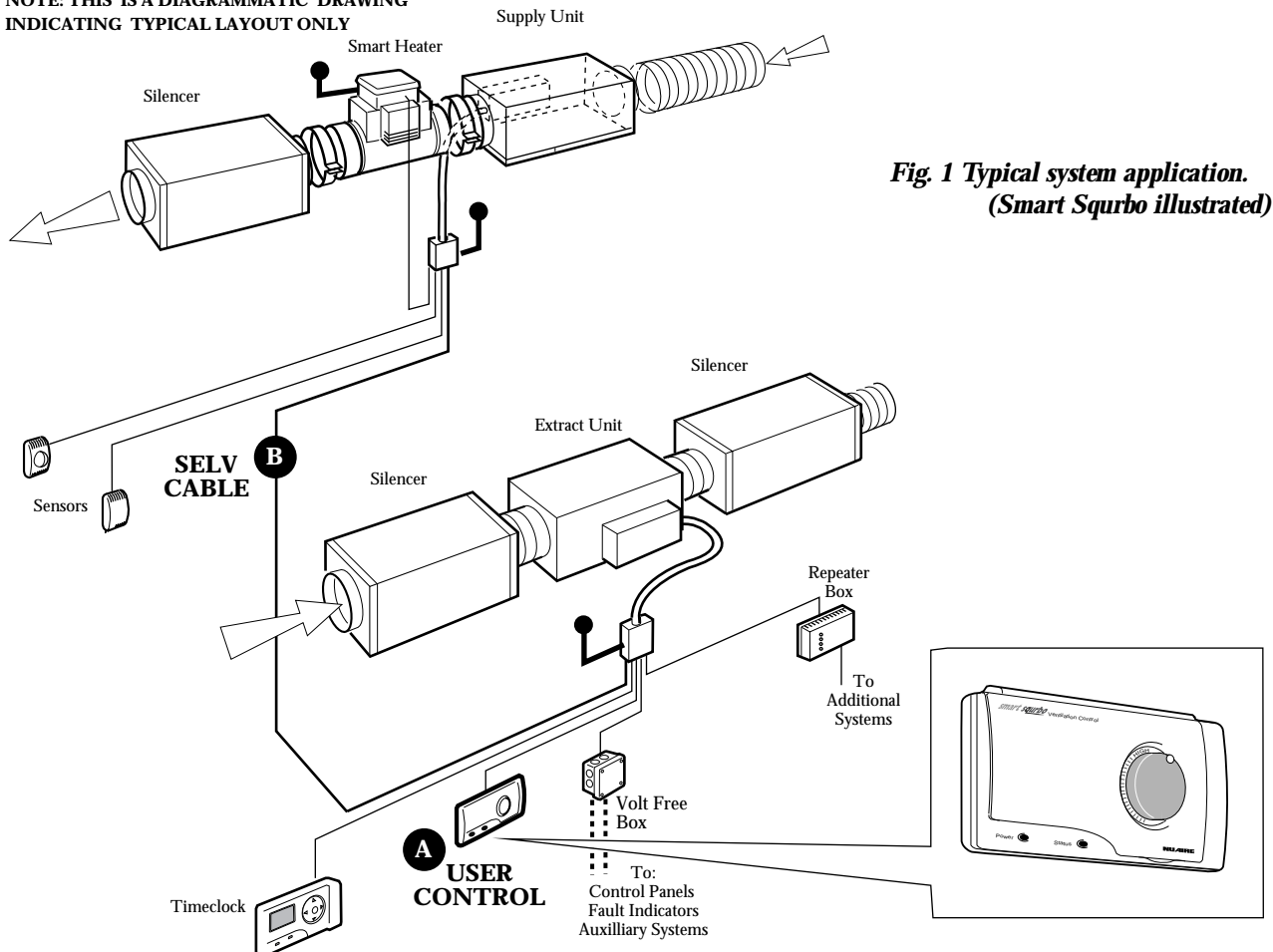


Fig. 1 Typical system application.
(Smart Scurbo illustrated)

Parts check list

- A** SS-MASTER User Control
- B** 1 off 10 metre length of plugged SELV cable

User Control

Designed to be used with the Smart Scurbo and Smart Boxer range of supply and extract fans this small, attractive user control offers manual or automatic on / off, summer / winter setting and variable ventilation rates and is supplied with a pre-plugged 10m length of communications cable. The control operates on Safe Extra Low Voltage and is powered from the fan control module. System status lights indicate the condition of both fans and the heating element when selected.

Communications cable

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

Installing the User Control

At the intended mounting position, leave approx 75mm of cable protruding from the wall surface. Pass cable through the backing plate (shown dotted) and fix plate to surface. Locate the cable plug in the rear face of the user control (note colour code). Finally clip the control into the backing plate. Operating instructions are to be found inside the lift up control cover.

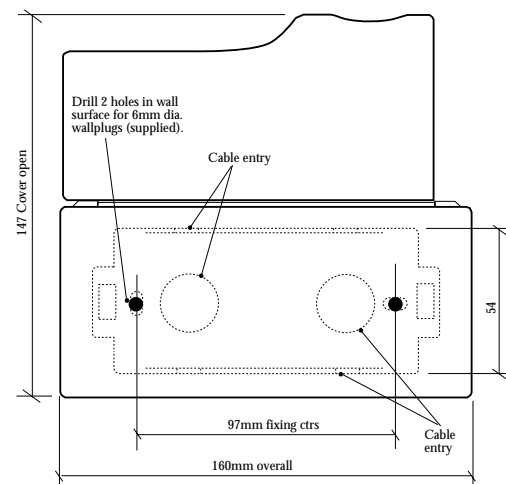


Fig. 2 User control fixing details.

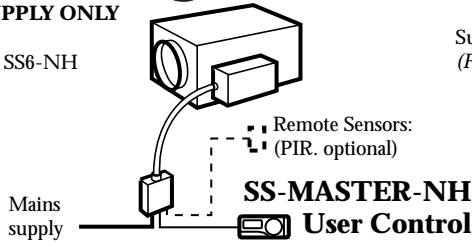
SMART SQRUBO applications with matching Master Controls

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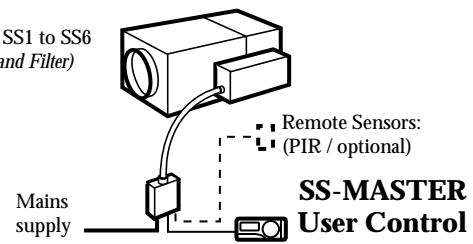
Label No. 060564

SMART SQRUBO SUPPLY ONLY

Supply Unit SS1-NH to SS6-NH
(Fan and Filter only)

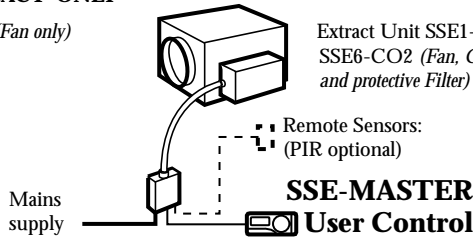


Supply Unit SS1 to SS6
(Fan, Heater and Filter)

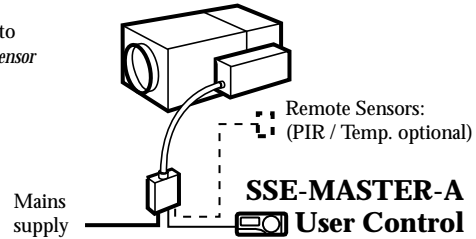


SMART SQRUBO EXTRACT ONLY

Extract Unit SSE1 to SSE6 (Fan only)

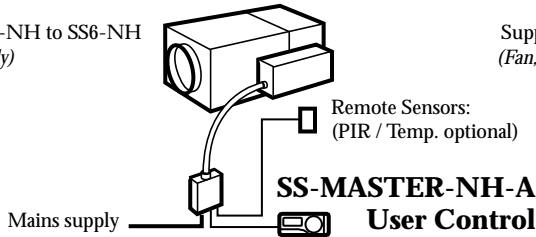


Extract Unit SSE1-CO2 to
SSE6-CO2 (Fan, CO2 Sensor
and protective Filter)

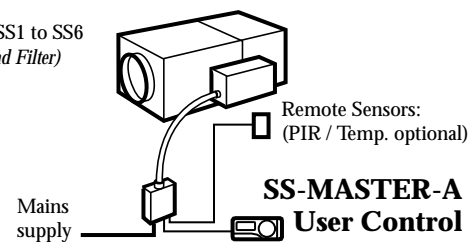


SMART SQRUBO SUPPLY ONLY - Automatic version i.e. User Control + PIR and / or Temperature Sensor

Supply Unit SS1-NH to SS6-NH
(Fan and Filter only)

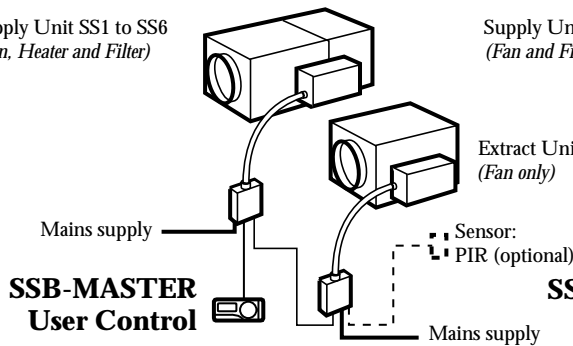


Supply Unit SS1 to SS6
(Fan, Heater and Filter)

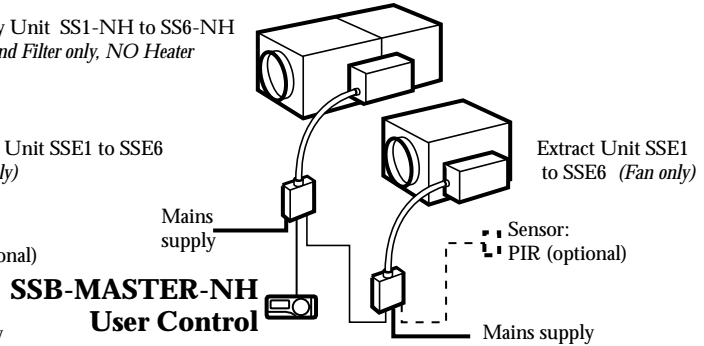


SMART SQRUBO BALANCED SUPPLY & EXTRACT SYSTEM (without CO2)

Supply Unit SS1 to SS6
(Fan, Heater and Filter)

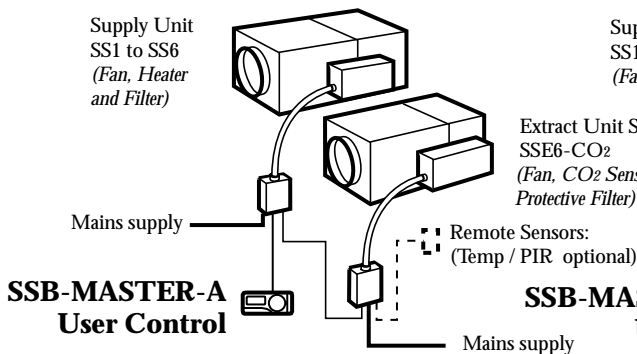


Supply Unit SS1-NH to SS6-NH
(Fan and Filter only, NO Heater)



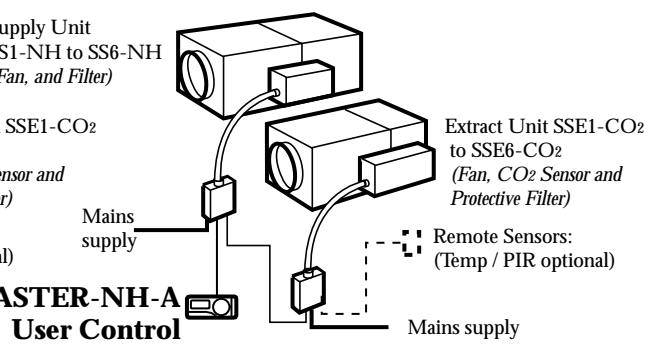
SMART SQRUBO BALANCED SUPPLY & EXTRACT SYSTEM (with CO2) (Automatic version)

Supply Unit
SS1 to SS6
(Fan, Heater
and Filter)



Supply Unit
SS1-NH to SS6-NH
(Fan, and Filter)

Extract Unit SSE1-CO2
SSE6-CO2
(Fan, CO2 Sensor and
Protective Filter)



Extract Unit SSE1-CO2
to SSE6-CO2
(Fan, CO2 Sensor and
Protective Filter)

NOTES.
Occupancy Sensor (SS-PIR-LV) can be used with all Smart Sqrubo User Controls.
Temp. Sensor (SS-TEMP-LV) active in 'Summer Modes' only.

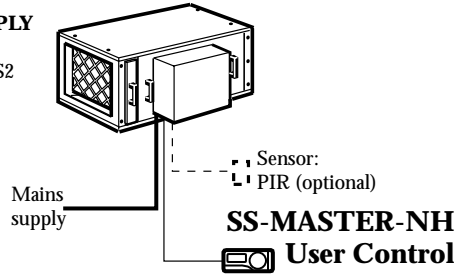
Automatic ventilation via temperature and CO2 sensors can only be achieved with an automatic version of the User Control (identified by a -A in the product code e.g. SSB-MASTER-A).

SMART BOXER applications with matching Master Controls

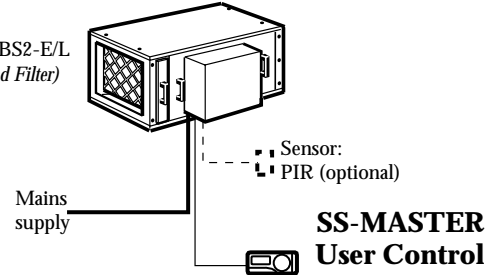
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Label No. 060565

SMART BOXER SUPPLY

Supply Unit SBS1 & SBS2
(Fan and Filter only)

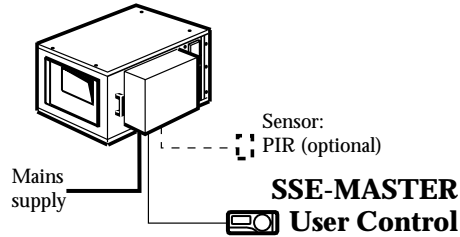


Supply Unit SBS1-E/L & SBS2-E/L
(Fan, Heater and Filter)

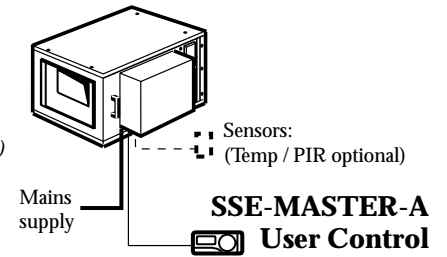


SMART BOXER EXTRACT & EXTRACT with CO² SENSOR/FILTER

Extract Unit SBEX1 & SBEX2
(Fan only)

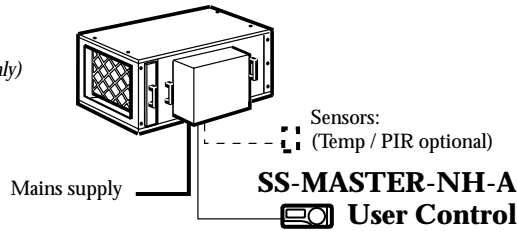


Extract Unit SBEX1-CO² & SBEX2-CO²
(Fan, CO² Sensor and protective Filter)

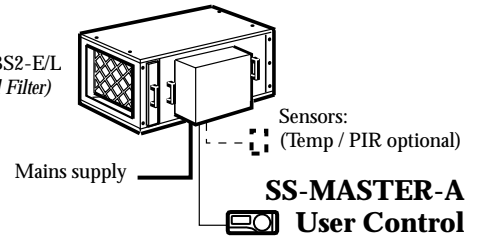


SMART BOXER SUPPLY ONLY - Automatic version i.e. User Control + PIR or Temperature Sensor

Supply Unit SBS1 & SBS2
(Fan and Filter only)



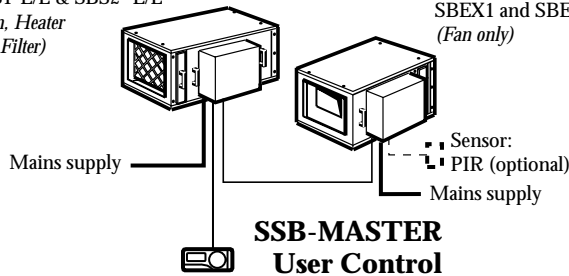
Supply Unit SBS1-E/L & SBS2-E/L
(Fan, Heater and Filter)



SMART BOXER BALANCED SUPPLY & EXTRACT SYSTEM (without CO²)

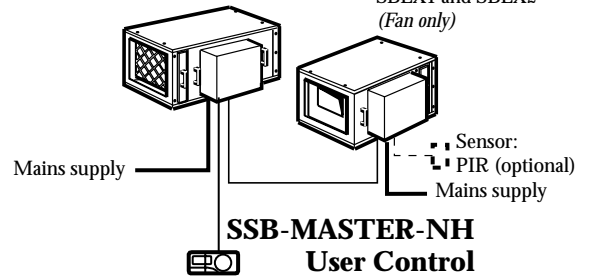
Supply Unit SBS1-E/L & SBS2-E/L
(Fan, Heater and Filter)

Extract Unit SBEX1 and SBEX2
(Fan only)



Supply Unit SBS1 & SBS2
(Fan and Filter)

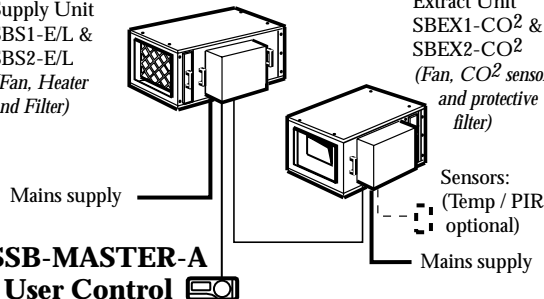
Extract Unit SBEX1 and SBEX2
(Fan only)



SMART BOXER BALANCED SUPPLY & EXTRACT SYSTEM (with CO²) (Automatic version)

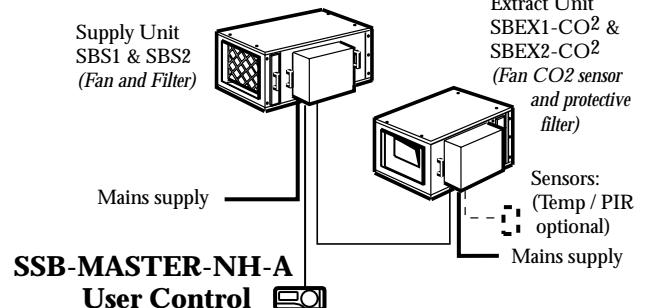
Supply Unit SBS1-E/L & SBS2-E/L
(Fan, Heater and Filter)

Extract Unit SBEX1-CO² & SBEX2-CO²
(Fan, CO² sensor and protective filter)



Supply Unit SBS1 & SBS2
(Fan and Filter)

Extract Unit SBEX1-CO² & SBEX2-CO²
(Fan CO² sensor and protective filter)



NOTES.

Occupancy Sensor (SS-PIR-LV) can be used with all Smart Sqrbo User Controls.
Temp. Sensor (SS-TEMP-LV) active in 'Summer Modes' only.

Automatic ventilation via temperature and CO² sensors can only be achieved with an automatic version of the User Control (identified by a -A in the product code e.g. SSB-MASTER-A).

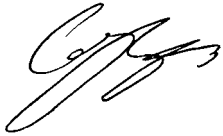

CE DECLARATION OF CONFORMITY

OCTOBER 2000

*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-MASTER (User Control)
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. 00
2)	 W. Glover	Manufacturing Director	2. 10. 00

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: 029 2085 8585

Facsimile: 029 2085 8586

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: **029 2085 8585**

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.

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