

# SMARTCOM<sup>2</sup> SETUP FOR MASTER AND SLAVE SYSTEMS WITH INDIVIDUAL BMS ZONE CONTROL.



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## 1. General information.

With the SmartCom<sup>2</sup> Network version up to 16 controllers can be linked together to form a multi-zone heating system. This allows one SmartCom<sup>2</sup> (the master) to communicate with the other controller(s) (the slaves).

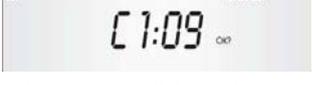
A facility exists for an external input such as a BMS time switch which can directly control the operation of the system. Under normal BMS control, the external input would be connected to the Master which in turn communicates to the Slaves.

If however the BMS is used to control individual slaves on an independent zone basis, the engineers settings in each SmartCom<sup>2</sup> need to be altered.

This bulletin describes in detail the procedure required to alter the settings.

For full details please refer to the O&M manual or wiring manuals available on [www.s-i-d.co.uk](http://www.s-i-d.co.uk).

## 2. Step by step instructions.

step	actions	description	main screen view	further actions
1	Press & hold  button whilst pressing  button once to obtain engineers codes			
2		Screen display changes.		
3	press  5 times for Slave control. Screen display =			& press  to modify A6
4	press  once for non response. Screen display =			& press  to accept A6
5	press  3 times for Multi Zone system. Screen display =			& press  to modify C1
6a	either press  once for 'MASTER' unit. Screen display =			& press  to accept C1
6b	<b>OR</b> press  twice for Slave No.1. Screen display =			& press  to accept C1
6c	<b>OR</b> press  up to 15 times for others. e.g. slave 9, display =			& press  to accept C1
Each zone must have a unique zone number. It is not possible to have two controllers with the same zone number. Zone numbers must be consecutive.				
7a	press  once for highest communication no. Screen display=			& press  to modify C2
7b	press  for the no. of SmartCom's e.g. max no.9, display =			& press  to accept C2
If the number is set incorrectly then either a higher numbered zone will fail to communicate or a lower numbered zone may display a communication error on the master unit.				
8	press  to exit settings & return to main screen			
9	press  until AUTO mode. Screen display =			& press  to accept it
10		Screen display =		

### IMPORTANT NOTES

**SET ALL PROGRAM TIMES TO THEIR MAXIMUM SETTINGS i.e.**

**Mon - Sun ON1 00:10**

**Mon - Sun OFF1 23:50**

No other program times are required to be set.

**WIRE THE VOLT FREE BMS TIME CIRCUITS TO EACH SMARTCOM BETWEEN TERMINALS B0 AND B2. BMS CONTACTS TO BE NORMALLY CLOSED**

**(IE OPEN WHEN HEAT REQUIRED)**

Notes:

When setting up a SmartCom<sup>2</sup> Master and Slave (Network) system, the master controller will display an error message during commissioning. This will clear once the commissioning is complete.

SmartCom<sup>2</sup> will display "ENTL" until the BMS time control is made.

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ENERGY EFFICIENT HEATING SYSTEMS



AmbiRad Limited Fens Pool Avenue  
Brierley Hill West Midlands DY5 1QA  
United Kingdom.



Telephone 01384 489700  
Facsimile 01384 489707  
Email marketing@ambirad.co.uk  
Website www.ambirad.co.uk  
Technical Support www.s-i-d.co.uk

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