

PRODUCT BULLETIN

Intelligent controls for Greenstar i System and Greenstar Si boilers and new low NOx boiler options.

The Code for Sustainable Homes (CFSH) provides an all-round measure of the sustainability of new homes, ensuring that sustainable homes deliver real improvements in key areas such as energy efficiency and pollution.

To access government funding, new build properties within the social housing sector must meet CFSH Level 4, which calls for a 44% reduction in CO₂ emissions. Individual planning authorities may also impose more challenging targets.

So how can Worcester help?

With the introduction of optional load and weather compensating controls for the Greenstar Si and i System ranges a valuable contribution can be made towards reducing the CO₂ emissions of the property. Additional improvements can be gained through combining a Worcester condensing boiler with low carbon technologies such as solar thermal panels.

Intelligent control option	BOILER			
	i System*	Si Combi	CDi System*	CDi Combi
FR10	●	●	●	●
FR110	●	●	●	●
FW100	●	●	●	●
ISM1	●		●	

* All compatible controls must be used with optional integral diverter valve

● Indicates new control option for range

The Worcester intelligent controls range



FR10 intelligent room thermostat



FW100 weather compensation controller



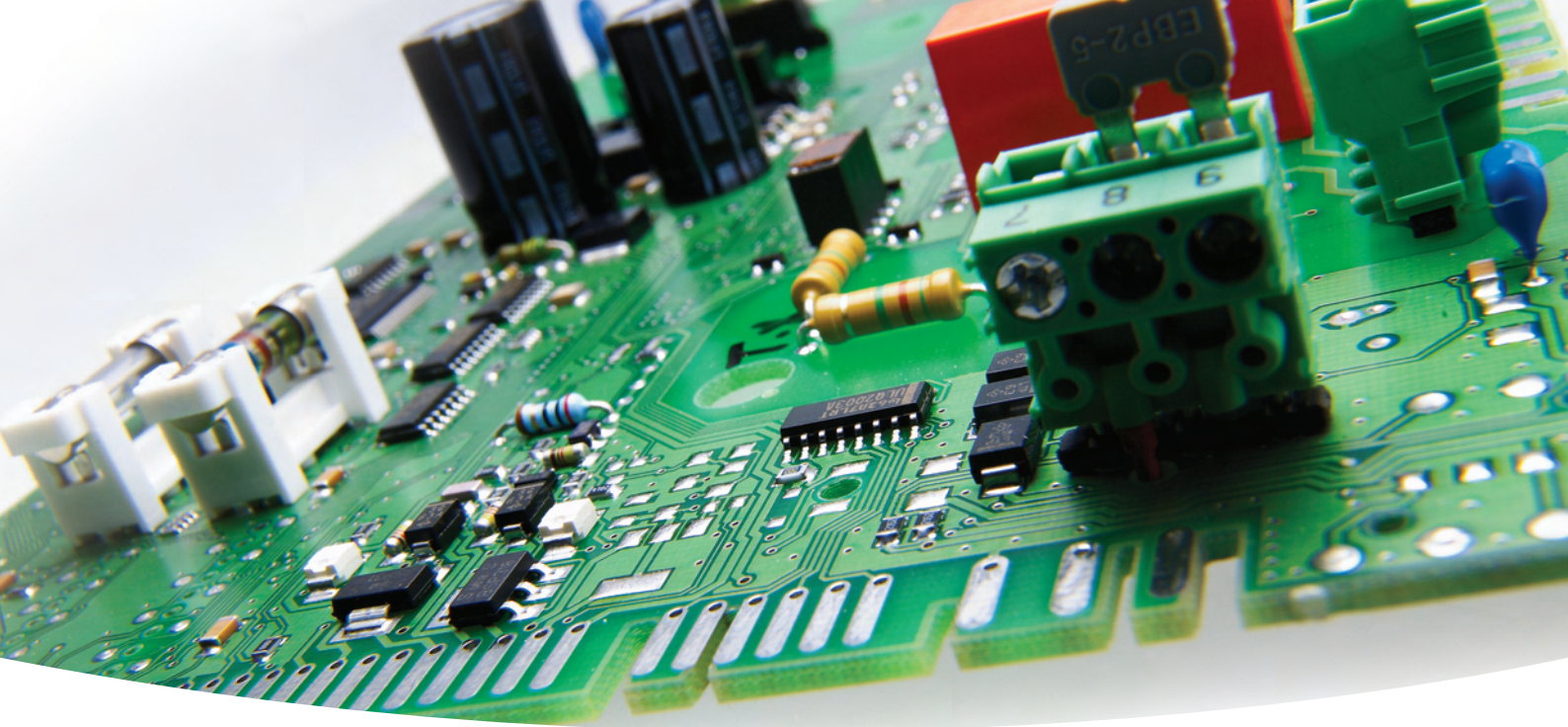
FR110 programmable room thermostat



ISM1 intelligent solar module



Greenstar CDi combi and system boilers have been compatible with Worcester's range of intelligent controls since Spring 2009



There's more good news when considering the additional points required for each level of the Code. The latest versions of Greenstar boilers with low NOx capability produce less than 40mg/kWh of NOx. This means the specifier can secure three tradeable credits in Category 6 Pollution to help meet the required level of the Code.

Low NOx options are available for all types of natural gas low to mid output combi models. The Greenstar 24i Junior, 28i Junior, 25Si and 30Si combis are now supplied with an optional, simple to install low NOx code plug. The Greenstar 12Ri and 12i System boilers will perform as low NOx boilers as standard. In all cases NOx emissions are reduced whilst still achieving a SEDBUK A rating.

For more information please call our Technical Helpline on 0844 892 3366 or visit our website at www.worcester-bosch.co.uk.

Low NOx Greenstar options†

Greenstar model	12Ri	12i System	24i Junior	28i Junior	25Si	30Si
System type	Regular	System	Combi	Combi	Combi	Combi
Height (mm)	600	710 (max)*	710 (max)*	710 (max)*	710 (max)*	710 (max)*
Width (mm)	390	400	400	400	400	400
Depth (mm)	270	330 (max)*	330 (max)*	330 (max)*	330 (max)*	330 (max)*
DHW flow rate @ 35°CΔT (l/min)	–	–	9.8	11.4	10.2	12.3
Output to central heating kW (Btu/h)	4 - 12 (13,648 - 40,944)	3 - 12 (10,236 - 40,950)	7.2 - 24 (24,566 - 82,000)	7.2 - 24 (24,566 - 82,000)	7.2 - 24 (24,566 - 82,000)	7.2 - 24 (24,566 - 82,000)
Max output to central heating with low NOx code plug (kW)	–	–	13	13	13	13
NOx classification (mg/kWh)	39	39	66	66	66	66
NOx classification with low NOx code plug (mg/kWh)	–	–	38	38	38	38
NOx class	5	5	5	5	5	5

* Measured to the top or front of the curve

† Applies to natural gas boilers only

