



### **Order Matrix Notes**

Note – Order Codes 1 through 3:

When specifying order codes 1 through 3, the preceding Temperature Input / Analog Output module must also be specified.

Example: If Order Code 2 for an optional Input / Output module is specified, order Code 1 must also be specified as having an Input / Output module. In this case order codes 1 & 2 must both be “1” totaling 4 analog inputs [4-20mA input] with one analog output per module for a total of 2 Analog [4-20mA] outputs.

Configurable Analog Outputs [4-20mA]: the two analog outputs provided as standard and up to three optional analog outputs [5 maximum] are configurable by the Kiln OEM as one of the following:

- PID Control Output for Heat, Spray and/or Vent
- Fan Control output set as a percent output.
- Retransmission of active Kiln Dry Bulb, Wet Bulb or Sterilizer chamber setpoint and/or temperature values. If the control system is a combination Kiln-Sterilizer while in Sterilize function the Sterilizer’s Chamber and Kiln Dry Bulb #1 are the same sensor.

### **Options:**

Manuals:

FDC-2010-K5C\_Operators\_Manual\_v2.x. \$40  
FDC-2010-K5C\_OEM\_Configuration\_Manual \$30

Manuals above are available on our site at the link  
<http://www.futuredesigncontrols.com/KilnFDC2010K5C.html>

ISTICK-PANEL: USB Panel Mount Adapter for Memory I-Stick or Printer Connection \$40

ISTICK-4X-CVR: Nema 4X USB Panel Mount Adapter \$60

KilnView Software:

PC communication to Orion Control System \$2,500

SNA-10A: RS232 to RS485 Converter connects PC RS232 Serial connection to Orion RS485 \$145

DB9M-DB9F-6ft: \$20

Cable [6 ft] to connect SNA10A to PC serial port

Printer: HP 6540 inkjet printer \$159

### **High & Low Frequency Ferrite Beads**

Low Frequency Ferrite Bead is included for each analog input to provide additional protection for electrical “Noise” typically created by Variable Speed Drives. High Frequency Ferrite beads are optionally available.

LFBead-240-2282-ND: Low Frequency Ferrite Beads \$10

HFBead-240-4279-ND: High Frequency Ferrite Beads \$10

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## **Software Licensing**

Future Design Controls “Software” provided with the Control Module and the Color Touch Screen display is protected by copyright laws, international copyright treaties, intellectual property laws and treaties. For further information refer to the Kiln Control System manual.

This SOFTWARE is licensed at no charge to the end user as long as all Control Module & Display components are supplied by Future Design Controls whether as a new control system or if and when replacement parts are required. Software ownership and rights remain with Future Design Controls. Future Design Controls may terminate this License for failure to comply with these terms & conditions.

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