






Electronic Control Solutions for the Global Fluid Power Industry

E-Fan System Controller Products

High Country Tek, Inc.
208 Gold Flat Court
Nevada City, CA 95959
Ph: (530) 265-3236
Fx: (530) 265-3275
www.hctcontrols.com

Part Number	EMC smart fan controller, sourcing or sinking	EMC-6 Hybrid fan controller, sourcing	EMC-6L Hybrid fan controller, sinking
Design Item			
Controller Power Supply	9.0 to 32 VDC	9.0 to 32 VDC	9.0 to 32 VDC
Operating Temperature	-40C to +85C	-40C to +85C	-40C to +85C
Temp. Data Inputs	SAE J1939 and / or 2 Thermistor/Analog, 3 Dig, 6 Fan Diagnostics	SAE J1939 and / or 6 Thermistor/Analog, 3 Dig, 12 Fan Diagnostics	SAE J1939 and / or 6 Thermistor/Analog, 3 Dig, 12 Fan Diagnostics
Fan Reversing Feature	Y	Y	Y
Fan reverse manual trigger	Y	Y	Y
CE Compliant / E-Mark	Y / Y *check availability*	Y / Y	Y / Y
SAE J1455 Compliant	Y	Y	Y
Heat Event Min. speed feature	Y	Y	Y
Manual Fan speed/Test Mode	Y	Y	Y
Status/Diagnostic LED's	Y	Y	Y
Diagnostic flash codes	Y	Y	Y
Controller Output	1x (0 to 100% PWM @ 500mA) 1x (Alarm & Reverse O/P Drive) @ 500mA	3x (0 to 5VDC 10mA analog output) 6x (0 to 100% PWM @ 500mA) 1x (PWM current output @ 3A) 1x (On/Off Reversing output @ 3A) 1x (5V ± 5% regulated voltage output)	3x (0 to 5VDC 10mA analog output) 6x (0 to 100% PWM @ 500mA) 1x (PWM current output @ 3A) 1x (On/Off Reversing output @ 3A) 1x (5V ± 5% regulated voltage output)
Recommended e-Fan	SPAL Brushless 12 or 24VDC	SPAL Brushless 12 or 24VDC	SPAL Brushless 12 or 24VDC
Mating Connectors or Connector Style	12-Pin Deutsch connector kit, P/N: 999-10155 12-Pin connector harness (3M), P/N 999-10156	48-Pin MetriPack P/N: 999-10077 + Serial Port Adaptor P/N: 999-00076	48-Pin MetriPack P/N: 999-10077 + Serial Port Adaptor P/N: 999-00076
Programming/Set-up Cable	USB Mini, 108-00134	USB Mini, 108-00134	USB Mini, 108-00134
Graphical User Interface (GUI) Part Number	023-00561	023-00533	023-00533
IP / NEMA Rating	IP67 / 6P	IP68 / 6P	IP68 / 6P
L x W x H (All in Inches)	75 x 73 x 45 mm	5.00" x 5.60" x 1.76"	5.00" x 5.60" x 1.76"

www.hctcontrols.com