



Product Change Notification: DSE74XX MKII

Part No's: 7410-03/7420-03



DSE74XX MKII

Related Products	Description	Part Number
Module Gasket	Rubber Gasket Seal for Module Front Panel	020-564
DSE2510 MKII	Remote Display Module (A/S)	7310-03
DSE2520 MKII	Remote Display Module (AMF)	7320-03
DSE890 MKII	DSEWebNet® Gateway 4G/Ethernet	0890-04
DSE892	SNMP Gateway	0892-01
DSE855	USB to Ethernet Communications Device	0855-01
DSE857	USB to RS485 Communications Device	0857-01

New Features

Features Released v 7.7 - 27.03.24	
Added Feature	Feature Explanation
Continuous improvements.	Software & hardware enhancements to provide improved operating stability.
Features Released v 7.6 - 19.12.23	
Added Feature	Feature Explanation
Continuous improvements.	Software & hardware enhancements to provide improved operating stability.
Features Released v 7.5 - 19.04.23	
Added Feature	Feature Explanation
PIN protected PLC functionality	Provides the ability to lock PLC functionality under a PIN in a customers configuration. The PLC is hidden whilst configuring and viewing over SCADA unless a valid PIN is entered.
Features Released v 7.4 - 21.03.23	
Added Feature	Feature Explanation
Read PIN protection.	Added PIN protection to be able to read a configuration file.
Features Released v 7.3 - 08.12.21	
Added Feature	Feature Explanation
Continuous improvements.	Software & hardware enhancements to provide improved operating stability.
Features Released v 7.2 - 29.10.21	
Added Feature	Feature Explanation
Continuous improvements.	Software enhancements to provide improved operating stability.
Features Released v 7.1 - 01.04.21	
Added Feature	Feature Explanation
DSE internal release.	Internal release for development testing.



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Features Released v 7.0 - 02.09.20	
Added Feature	Feature Explanation
MSC ID added to PLC GenComm override.	PLC logic can be created to change the MSC ID removing the requirement to use DSE Configuration Suite on-site.
Added advanced PLC editor.	The PLC editor has been completely redesigned with a brand new look and feel and offers enhanced functionality for the user, through the addition of new function blocks. The PLC editor is accessed via DSE configuration suite software. The PLC software now opens within its own operating window to allow the PLC and configuration suite windows to remain open at the same time.
Features Released v 6.0 - 30.10.19	
Added Feature	Feature Explanation
Support for adjusting various ECM parameters.	Provides adjustment of governor gain (ECM) & frequency adjust offset parameters for the Cummins CM2250 ECM (and other engines that support the same controls).
Improvements to the SNMP message system.	The sysName OID is now included with all SNMP TRAP messages sent out by the module.
Improvements to enable generators to work with different mains (utility) topologies.	Module now supports different topologies on the mains (utility) and the generator. E.g. – Single phase generator / three phase mains. Configurable using DSE Configuration Suite software.
Improvements to RS485.	Increases the flexibility of the RS485 port to allow changes to the number of stop bits and parity. (Stop Bits 1 or 2, No Parity, Odd Parity or Even Parity).
Features Released v 5.0 - 15.04.19	
Added Feature	Feature Explanation
CAN support for the DSEA108 AVR.	Full communication with the DSEA108 AVR over CAN. The DSEA108 information is displayed on the front display of the module.
Closed transition support with check sync (DSE7320 MKII variant only).	The load can be transferred from generator to mains (utility) or mains (utility) to generator without a break in the power supply. The parallel time is circa 100 ms.
Added mains (utility) and generator breaker alarms (DSE7320 MKII variant only).	Required to ensure the closed transition function operates correctly. Can also be used for open transition.
Open transition support with check sync (DSE7320 MKII variant only).	The phase angle between generator and mains (utility) voltages is checked to be in sync before the open transition, limiting potential damage to rotating machinery.
Supports 6 languages (English & 5 alternatives).	Increases the number of languages that can be stored in the control modules.
Crank disconnect on generator voltage.	Provides the ability to crank disconnect on generator voltage.
Oil pressure disconnect delay.	Delays the crank disconnect on oil pressure to compensate for cold oil.
DSE25XX MKII supported over DSENet®.	Increases the number of supported DSE25XX MKII to two by allowing a single DSE25XX MKII to communicate over DSENet®. When configured for use over DSENet® additional expansion support is limited to 5 modules within the DSE Configuration Suite software.
Charge alternator disable functionality.	Charge alternator support can be disabled. This will remove all related information from the front panel editor and SCADA. Charge alternator instrumentation will also be removed from the module display.
3 new digital input functions added to allow ECU specific operations.	Provides additional flexibility by allowing the user to turn on additional engine functionality on supported electronic engines.
Supports escape mode.	There are a number of new engine types that issue a shut-down command when efficiency related limits are reached. This function allows you to run the engine to resolve these issues.
Configurable icon screens.	Icon screen layout can be configured by the user to suit individual applications.

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Current Module Software Version

Version	Date	Comments
V 7.7	27.03.24	Software upgraded to provide functionality for features added above.
V 7.6	19.12.23	Software upgraded to provide functionality for features added above.
V 7.5	17.04.23	Software upgraded to provide functionality for features added above.
V 7.4	21.03.23	Software upgraded to provide functionality for features added above.
V 7.3	08.12.21	Software & hardware upgraded to provide functionality for features added above.
V 7.2	29.10.21	Software upgraded to provide functionality for features added above.
V 7.1	01.04.21	Internal release.
V 7.0	02.09.20	Software upgraded to provide functionality for features added above.
V 6.0	30.10.19	Software upgraded to provide functionality for features added above.
V 5.0	15.04.19	Software upgraded to provide functionality for features added above.