

Bemak

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Trans Series GenSet Controllers



Product Code		Explanation	
Automatic GenSet Controllers with Transfer Switching (AMF)		Dimensions : 229 x 152 x 41mm Panel Cut out : 182 x 135mm	
		CanBus J1939 ECU communication, Parameter configuration via USB port of your notebook, Authorised Access, secure communication, Translate LCD text for your language, Log last 50 events & alarm information with measured values, Statistics records, Generator phase secuense control, Remote Start/Stop, Speed and Idle mode control via J1939, Power factor measurement for 3 phases, 4 resistive sender inputs for Level, Temperature, Oil pressure and Spare, 3 phase Load current and Earth current measurement, Configurable 10 inputs and 4 outputs, Programmable weekly working permit calendar, Maintenance warning, Red (Shutdown) and Yellow (Warning) alarm lights Navigation and Shortcut buttons for easy use, Load test selection, Automatic transfer switching control and engine control, Compatible to Diesel or Gas generators, Active, Reactive, Apparent power measurement • Trans-Cable.USB, USB communication cable is optional.	
Trans-AMF			
Automatic GenSet Controllers (AUTO)		Dimensions : 229 x 152 x 41mm Panel Cut out : 182 x 135mm	
		CanBus J1939 ECU communication, Parameter configuration via USB port of your notebook, Authorised Access, secure communication, Translate LCD text for your language, Log last 50 events & alarm information with measured values, Statistics records, Generator phase secuense control Remote Start/Stop, Speed and Idle mode control via J1939, Power factor measurement for 3 phases 4 resistive sender inputs for Level, Temperature, Oil pressure and Spare, 3 phase Load current and Earth current measurement, Configurable 10 inputs and 4 outputs, Maintenance warning, Red (Shutdown) and Yellow (Warning) alarm lights, Navigation and Shortcut buttons for easy use Load test selection, Engine control, Compatible to Diesel or Gas generators, Active, Reactive, Apparent power measurement • Trans-Cable.USB, USB communication cable is optional.	
Trans-AUTO			
Automatic Transfer Switching Controller (ATS)		Dimensions : 229 x 152 x 41mm Panel Cut out : 182 x 135mm	
		Parameter configuration via USB port of your notebook, Authorised Access, secure communication Translate LCD text for your language, Log last 50 events & alarm information with measured values Statistics records, Generator phase secuense control, Power factor measurement for 3 phases 3 phase Load current and Earth current measurement, Configurable 6 inputs and 4 outputs Maintenance warning, Red (Shutdown) and Yellow (Warning) alarm lights, Navigation and Shortcut buttons for easy use, Load test selection, Automatic Transfer Switching control, Active, Reactive, Apparent power measurement • Trans-Cable.USB, USB communication cable is optional.	
Trans-ATS			
Trans Series Expansion I/O Module		Dimensions : 182 x 135 x 41mm	
		Easy plugging to all Trans Series controllers, Configurable 8 inputs and 8 outputs, Each Input and Output configurable by user or select from list, Selectable hardware type of inputs by +Ve or -Ve Selectable NO or NC input polarity, Selectable NO or NC output polarity, Adjustable input active delay, Can be used together with remote monitoring modules	
		Trans-I/O	

Product Code	Explanation
Trans Series GSM Communication Module	Dimensions: 91 x 135 x 41mm
	Easy plugging to all Trans Series controllers, Two-way SMS communication (GenSet to mobile) Controls the generator and monitors status information of the generator by SMS, Remote control via GSM, Sends alarm informations pre-defined GSM numbers, User may control the device, CLEAR alarms, RESET, Change MODE's, STOP, START, Access the PARAMETER's of device, Change the parameters and enquire information about generator's active status, GSM antenna and Configuration Software
Trans-Messenger	
Trans Series GPRS Communication Module	Dimensions : 91 x 135 x 41mm
	Easy plugging to all Trans Series controllers, GPRS communication, Alarm observation and archive, DHCP supported, ModBus over TCP/IP communication protocol, 2G, 2G5, EDGE supported, Suitable for telecommunication projects - GPRS antenna included - With Gen-Agent, Multiple GenSet visualisation & control SCADA Software
Trans-GPRS	
Trans Series RS-485 Serial Communication Module	Dimensions: 91 x 135 x 41mm
	Easy plugging to all Trans series controllers, RS-485 serial ModBus communication Call-Back selection by Serial network, Maintenance management of multiple Gen-Sets from a central computer with, Gen-Agent, Multiple GenSet visualisation & control SCADA Software, Alarm observation and archive, Easy adjustable ID adress, Max. 247 device can be add on serial network 500V galvanic insulation
Trans-485	
RS-485 to RS-232 External Serial Convertor	Dimensions : 110 x 75 x 36mm
	RS-485 / RS-232 External convertor unit 230Vac 50/60 Hz. Supply voltage, 1000V galvanic insulation, Plastic enclosure box 2m. RS-232 Cable with DB-9 com port connector
ECNV-232/485.External	

Product Code	Explanation	
Trans Series Embedded Web Server Communication Module (by Ethernet)		Dimensions : 182 x 135 x 41mm
	Easy plugging to all Trans Series controllers, Ethernet communication, Built-in http web pages Remote GenSet control by Smart phones and PC, E-mail sending when the alarm situation 4Gb SD memory, User definable data logging period, Alarm observation and archive, DHCP supported	
Trans-Web_Ethernet		
Embedded Web Server Gateway Module (by Ethernet)		Dimensions : DIN Rail Type, 182 x 135 x 41mm
	RS-232 / RS485 to Ethernet communication, Built-in http web pages Remote GenSet control by Smart phones and PC, E-mail sending when the alarm situation 4Gb SD memory, User definable data logging period, Alarm observation and archive, DHCP supported, Suitable for all ModBus ASCII or RTU devices	
Trans-Web_Ethernet.R		
Trans Series Embedded Web Server Communication Module (by GPRS)		Dimensions : DIN Rail Type, 182 x 135 x 41mm
	Easy plugging to all Trans Series controllers, Built-in http web pages, Remote GenSet control by Smart phones and PC, E-mail and SMS sending when the alarm situation, 4Gb SD memory, User definable data logging period, Alarm observation and archive, 2G, 2G5, 3G, EDGE supported GPRS Antenna included	
Trans-Web_GPRS.R		
Trans Series Failure and Time Interval Dual working Module		Dimensions: 91 x 135 x 41mm
	Easy plugging to Trans-AMF and Trans-AUTO controllers, Dual GenSet working by time interval Priority selection, When the failure situation, automatically start to another GenSet, Equal aging by working hours, Definable time interval period, Load transfer without power interruption	
Trans-Dual		

Product Code	Explanation
Auto Start Moto-Pump Protection & Controller	
	
Parameter configuration via RS-232 serial communication, Log last 50 events & alarm information with measured values, Statistics records, 3 resistive sender inputs for Level, Temperature and Oil pressure, Configurable 3 inputs and 2 outputs, Engine control, Compatible to Diesel or Gas generators, • RTC: Optional Real Time Clock • Trans-Cable.Serial RS-232 Serial Communication Cable is optional.	
Trans-MiniPump	
Trans-MiniPump.RTC	
Auto Start Genset Controller (1 phase)	
	
CanBus J1939 ECU communication, Parameter configuration via RS-232 serial communication Log last 50 events & alarm information with measured values, Statistics records, Remote Start/Stop, Speed and Idle mode control via J1939, Power factor measurement for 1 phase, 3 resistive sender inputs for Level, Temperature and Oil pressure, Configurable 3 inputs and 3 outputs, 1 phase alternator voltage measurement, 1 phase Load current measurement, Engine control, Compatible to Diesel or Gas generators, Power measurement, Trans-MiniAUTO; Speed sensing from alternator frequency, Trans-MiniAUTO.MPU; Speed sensing from magnetic pick-up, Trans-MiniAUTO.CAN; CanBus J1939 ECU communication • RTC: Optional Real Time Clock • Trans-Cable.Serial, RS-232 Serial Communication Cable is optional.	
Trans-MiniAUTO	
Trans-MiniAUTO.RTC	
Trans-MiniAUTO.MPU	
Trans-MiniAUTO.MPU.RTC	
Trans-MiniAUTO.CAN	
Trans-MiniAUTO.CAN.RTC	
Auto Start Genset Controller (3 phase voltage + 3 phase load current)	
	
CanBus J1939 ECU communication, Parameter configuration via RS-232 serial communication, Log last 50 events & alarm information with measured values, Statistics records, Remote Start/Stop, Speed and Idle mode control via J1939, Power factor measurement for 3 phase 3 resistive sender inputs for Level, Temperature and Oil pressure, Configurable 3 inputs and 3 outputs, 3 phase alternator voltage measurement, 3 phase Load current measurement, Engine control, Compatible to Diesel or Gas generators, Power measurement Trans-MiniAUTO++; Speed sensing from alternator frequency, Trans-MiniAUTO.MPU++; Speed sensing from magnetic pick-up, Trans-MiniAUTO.CAN++; CanBus J1939 ECU communication • RTC: Optional Real Time Clock • Trans-Cable.Serial, RS-232 Serial Communication Cable is optional.	
Trans-MiniAUTO++	
Trans-MiniAUTO++.RTC	
Trans-MiniAUTO++.MPU	
Trans-MiniAUTO++.MPU.RTC	
Trans-MiniAUTO++.CAN	
Trans-MiniAUTO++.CAN.RTC	

Product Code	Explanation
Automatic GenSet Controller with Transfer Switching	
Dimensions : 111 x 81 x 61mm Panel Cut-Out: 81 x 70mm	
	CanBus J1939 ECU communication, Parameter configuration via RS-232 Serial communication Log last 50 events & alarm information with measured values, Statistics records, Remote Start/Stop, Speed and Idle mode control via J1939, 3 resistive sender inputs for Level, Temperature and Oil pressure, 1 phase Load current measurement, Configurable 3 inputs and 4 outputs, Programmable weekly working permit calendar, Automatic transfer switching control and engine control, Compatible to Diesel or Gas generators, Trans-MiniAMF; Speed sensing from alternator frequency, Trans-MiniAMF.MPU; Speed sensing from magnetic pick-up, Trans-MiniAMF.CAN; CanBus J1939 ECU communication • RTC: Optional Real Time Clock • Trans-Cable.Serial, RS-232 Serial Communication Cable is optional.
Trans-MiniAMF	
Trans-MiniAMF.RTC	
Trans-MiniAMF.MPU	
Trans-MiniAMF.MPU.RTC	
Trans-MiniAMF.CAN	
Trans-MiniAMF.CAN.RTC	
Automatic Transfer Switching Controller (ATS)	
Dimensions : 111 x 81 x 61mm Panel Cut-Out: 81 x 70mm	
	Parameter configuration via RS-232 serial communication, Log last 50 events & alarm information with measured values, Statistics records, Remote Start/Stop output, Configurable 5 outputs and 6 digital inputs, 3 phase mains and 1 phase alternator voltage measurement, Configurable Load from Generator and Engine Running inputs, Mains voltage failure detection, Emergency backup and Test mode • RTC: Optional Real Time Clock • Trans-Cable.Serial, RS-232 Serial Communication Cable is optional.
Trans-MiniATS	
Trans-MiniATS.RTC	

Product Code		Explanation	
Auto Start Genset Controller (AUTO)		Dimensions : 158 x 111 x 67mm Panel Cut-Out: 94 x 120mm	
		CanBus J1939 ECU communication, Parameter configuration via RS-232 or RS-485 Serial communication, Log last 50 events & alarm information with measured values, Statistics records, Remote Start/Stop, Speed and Idle mode control via J1939, 3 resistive sender inputs for Level, Temperature and Oil pressure, 3 phase Load current measurement, Configurable 5 inputs and 6 outputs, Programmable weekly working permit calendar, Automatic engine control, Compatible to Diesel or Gas generators, Trans-Midi.AUTO.MPU; Speed sensing from magnetic pick-up, Trans-Midi.AUTO.CAN; CanBus J1939 ECU communication	
Trans-Midi.AUTO			
Options			
Speed Sensing from	MPU		-
	CAN		-
Serial Communication	232		-
	485		
Remote Visualisation and Management by	GPRS		
Sample Codes			
Trans-Midi.AUTO.MPU.232			

Product Code		Explanation	
Automatic GenSet Controller with Transfer Switching		Dimensions : 158 x 111 x 67mm Panel Cut-Out: 94 x 120mm	
		CanBus J1939 ECU communication, Parameter configuration via RS-232 or RS-485 Serial communication, Log last 50 events & alarm information with measured values, Statistics records, Remote Start/Stop, Speed and Idle mode control via J1939, 3 resistive sender inputs for Level, Temperature and Oil pressure, 3 phase Load current measurement, Configurable 5 inputs and 6 outputs, Programmable weekly working permit calendar, Automatic transfer switching control and engine control, Compatible to Diesel or Gas generators, Trans-Midi.AMF.MPU; Speed sensing from magnetic pick-up, Trans-Midi.AMF.CAN; CanBus J1939 ECU communication	
Trans-Midi.AMF			
Options			
Speed Sensing from	MPU		-
	CAN		-
Serial Communication	232		-
	485		
Remote Visualisation and Management by		GPRS	
Sample Codes			
Trans-Midi.AMF.MPU.485			
Trans-Midi.AMF.CAN.232.GPRS			

*** For language options, please add end of the product code;

TR	Turkish / English	FR	French / English	RU	Russian / English
CN	Chinese/English	DE	Deutch / English	ES	Espanol / English

Product Code	Explanation
Auto Start Genset Controller (AUTO)	Dimensions : 72 x 72 x 60mm Panel Cut-Out: 68 x 68mm
	Automatic engine start/stop, automatic shutdown on fault conditions, LED indicators for alarm information, Alternator voltage and frequency measurement, Easy use, Lower and Upper speed alarm, Remote Start /Stop input, Speed sensing from Alternator frequency or Magnetic Pick-up, Pre-Heating Trans-Cable.Serial, RS-232 Serial Communication Cable is optional.
Trans-Key	
Trans-Key.Disp	
Manual Key-Start Genset Controller (Manual)	Dimensions : 72 x 72 x 60mm Panel Cut-Out: 68 x 68mm
	Manual engine start/stop, automatic shutdown on fault conditions, LED indicators for alarm information, Alternator voltage and frequency measurement, Easy use, Lower and Upper speed alarm, Speed sensing from Alternator frequency or Magnetic Pick-up, Pre-Heating Trans-Cable.Serial, RS-232 Serial Communication Cable is optional.
	Trans-Crank

Options	
Product Code	Explanation
Optional Communication Cables	
	Optional Communication cables for Trans series genset controllers; - If Trans-AMF, Trans-AUTO and Trans-ATS with USB Communication cable; please add .CU code end of the product code. - If Trans-Mini series, Trans-Key series, Trans-Crank series and EAOM-36 with RS232 Serial communication; please add .CS code end of the product code. Communication cable is optional.
	Trans-Cable.USB
	Trans-Cable.Serial

Product Code	Explanation
SMPS Battery Charger	
Dimensions: 95 x 125 x 53mm	
	3 or 5A output for 12Vdc and 24Vdc battery, 100...240Vac wide range supply voltage, Short circuit and over current protection, Reverse connection protection, Boost output for quick charging, Easy replaceable fuse, Durability for voltage fluctuation, Flame resistance plastic box
Gencharger-312S (3A@12Vdc)	
Gencharger-324S (3A@24Vdc)	
Gencharger-512S (5A@12Vdc)	
Gencharger-524S (5A@24Vdc)	
Alternator Voltage Regulator (AVR)	
	SPS-E5.1; 5A, 2 phases SPS-E12.1; 12A, 2 phases SPS-E20.1; 20A, 2 phases SPS-306; 6A, 3 phases
SPS-E5.1	
SPS-E12.1	
SPS-E20.1	
SPS-306	