## Stand Alone Merging Unit: AMU



Smart Coding & Options Selection

2020-03-03

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Vizi	imax Reference Number		_					_
e among the following options to complete the part number	MGU010000							
//U Base configuration								
	T							
AMU base unit includes: 4x CT inputs (1A or 5A) + 4x PT inputs + 10x digital inputs + 4x digital signaling outputs (2x Form C + 2x Form A) + 2x serial ports + 3x RJ45 Ethernet 100BASE-T ports (1 reserved for service port) + 2x PPS/IRIG-B inputs (1x fiber optic ST input + 1x BNC input/output): Supports IEC 61850-9-2LE, IEC 61869-9, IEC 61850-GOOSE publisher and Modbus (slave) protocols.	MGU010000							
1U Final Configuration and Options								
a - Mounting								
Standard Mount (No face plate)		SM						Ī
Panel Mount (With a 12" face plate including brackets for panel mount) Rack Mount (with a 19" rack mount face plate)		PM RM						
<b>b - Language</b> The selected language applies to the face plate, the documentation and the software user interface								
English			EN					-
								Т
c - Power supply								
The selected voltage applies to the main power supply and to the digital inputs								
48 Vdc				1				
125 Vdc				3				
220 Vdc				4				
d - Current Input (CT Connections)								
1 Amp RMS nominal current		I			1			-
5 Amps RMS nominal current					5			
								-
e - Ethernet communication ports configuration								
Standard: 2x RJ45 + 1x RJ45 service port connections						0		
Option MGC010000 : Replace 2xRJ45 by 2x Fiber Optic ST multimode; (service port remains 1xRJ45) - See Note 1						1		
Option MGC020000 : Replace 2xRJ45 by 2x Fiber Optic LC single mode; (service port remains 1xRJ45) - See Note 1						2		Ī
Option MGC021000 : Replace 2xRJ45 by 2x Fiber Optic LC multimode; (service port remains 1xRJ45) - See Note 1						3		
Note 1 : Options are not included in the price of AMU unit (MGU010000). Additional costs apply, ple	ease contact your sales re	p.			•			
f - Digital Inputs / Outputs			_					
Standard : 4x Signalization digital ouputs (relay) + 10x Digital inputs							0	
<b>Option MGC001000</b> : 4x Signalization digital ouputs (relay) + 10x Digital inputs + 6x High current digital outputs - See note 2 This option enables the IEC61850 GOOSE subscriber protocol with XCBR control model.							1	
Note 2: This option is not included in the price of AMU unit (MGU010000). Additional costs apply, p	lease contact your sales	rep.						
g - Time synchronization								
Standard : either by PTP1588 Ethernet clock or IRIG-B / PPS input or NTP over Ethernet								
Option MGC000100: Built-in GPS receiver allowing AMU time synchronization in autonomous mode - See notes 3 and 4								
Note 3: This option is not included in the price of AMU unit (MGU010000). Additional costs apply, p. Note 4: Please note the GPS antenna and mounting accessories are not included in the built-in GPS	•	rep.						
h - Options								
Standard : No additional option								_
coding examples unit, rackmount, English version, 125Vdc, 1A CT, 2x RJ45 + 1 RJ45 Standard ethernet	MGU010000	DN A	EN	2	1	0	_	
unication, 4xDO (relay), 10x DI and No GPS.	MIGOOTOOO	KIVI	EIN	3	Ι -	U	0	

## Stand Alone Merging Unit for Real-Time Simulation: AMU-RTS

Smart Coding & Options Selection

2020-03-03

Vizimax Inc 2284, de la Province - Longueuil Québec, Canada, J4G 1G1

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a - Mounting  Standard Mount (No face plate)  Panel Mount (With a 12" face plate including brackets for panel mount)  Rack Mount (With a 19" rack mount face plate)  b - Language  The selected language applies to the documentation and software user interface  English  c - Power supply  The selected voltage applies to the main power supply and to the digital inputs  24 Vdc - See Note 1  Note 1: Wall mount adapter provided (100-240 V / 50-60Hz)  d - AC Measurement Inputs  10 Vrms  e - Ethernet communication ports configuration  Standard : 2x RJ45 + 1x RJ45 service port connections  Option MGC020000: Replace 2xRJ45 by 2x Fiber Optic ST multimode; (service port remains 1xRJ45) - See Note 2  Option MGC020000: Replace 2xRJ45 by 2x Fiber Optic LC single mode; (service port remains 1xRJ45) - See Note 2  Option MGC021000: Replace 2xRJ45 by 2x Fiber Optic LC multimode; (service port remains 1xRJ45) - See Note 2  Option MGC021000: Replace 2xRJ45 by 2x Fiber Optic LC multimode; (service port remains 1xRJ45) - See Note 2  Option MGC021000: Replace 2xRJ45 by 2x Fiber Optic LC multimode; (service port remains 1xRJ45) - See Note 2  Option MGC021000: Replace 2xRJ45 by 2x Fiber Optic LC multimode; (service port remains 1xRJ45) - See Note 2  Option MGC021000: Replace 2xRJ45 by 2x Fiber Optic LC multimode; (service port remains 1xRJ45) - See Note 2  Option MGC021000: Replace 2xRJ45 by 2x Fiber Optic LC multimode; (service port remains 1xRJ45) - See Note 2  Option MGC021000: Replace 2xRJ45 by 2x Fiber Optic LC multimode; (service port remains 1xRJ45) - See Note 2  Option MGC021000: Replace 2xRJ45 by 2x Fiber Optic LC multimode; (service port remains 1xRJ45) - See Note 2  Option MGC021000: Replace 2xRJ45 by 2x Fiber Optic LC multimode; (service port remains 1xRJ45) - See Note 2  Option MGC021000: Replace 2xRJ45 by 2x Fiber Optic LC multimode; (service port remains 1xRJ45) - See Note 2  Option MGC021000: Replace 2xRJ45 by 2x Fiber Optic LC multimode; (service port remains 1xRJ45) - See Note 2  Option MGC021000: Replace 2xRJ45 by 2x Fi	Vizimax Reference Number		eference Number								_
U-RTS Final Configuration and Options  a - Mounting  Standard Mount (No face plate)  Sand Mount (No face plate)  Sand Mount (With a 12" face plate including brackets for panel mount)  RMM  b - Language  The selected language applies to the documentation and software user interface  English  C - Power supply  The selected voltage applies to the main power supply and to the digital inputs  24 Vide - See Note 1  Note 1 : Wall mount adapter provided (100-240 V / 50-60Hz)  d - AC Measurement Inputs  10 Virms  e - Ethernet communication ports configuration  Standard : 2x RIA5 + 1x RIA5 service port connections  Option MicCO20000 : Replace 2xRIA5 by 2x Fiber Optic ST multimode; (service port remains 1xRIA5) - See Note 2  Option MicCO20000 : Replace 2xRIA5 by 2x Fiber Optic C Single mode; (service port remains 1xRIA5) - See Note 2  Option MicCO20000 : Replace 2xRIA5 by 2x Fiber Optic C Single mode; (service port remains 1xRIA5) - See Note 2  Diption MicCO20000 : Replace 2xRIA5 by 2x Fiber Optic C Multimode; (service port remains 1xRIA5) - See Note 2  Diption MicCO20000 : Replace 2xRIA5 by 2x Fiber Optic C Multimode; (service port remains 1xRIA5) - See Note 2  Diption MicCO20000 : Replace 2xRIA5 by 2x Fiber Optic C Multimode; (service port remains 1xRIA5) - See Note 2  Diption MicCO20000 : Replace 2xRIA5 by 2x Fiber Optic C Multimode; (service port remains 1xRIA5) - See Note 2  Diption MicCO2000 : Replace 2xRIA5 by 2x Fiber Optic C Multimode; (service port remains 1xRIA5) - See Note 2  Diption MicCO2000 : Replace 2xRIA5 by 2x Fiber Optic C Multimode; (service port remains 1xRIA5) - See Note 2  Diption MicCO2000 : Replace 2xRIA5 by 2x Fiber Optic C Multimode; (service port remains 1xRIA5) - See Note 2  Diption MicCO2000 : Replace 2xRIA5 by 2x Fiber Optic C Multimode; (service port remains 1xRIA5) - See Note 2  Diption MicCO2000 : Replace 2xRIA5 by 2x Fiber Optic C Multimode; (service port remains 1xRIA5) - See Note 2  Diption MicCO2000 : Replace 2xRIA5 by 2x Fiber Optic C Multimode; (service port remains 1xRIA5) - See No	e among the following options to complete the part number		MGU010000			L	L		L		Г
a- Mounting Standard Mount (No face plate) PM Stack Mount (with a 12" face plate including brackets for panel mount) RM Standard (with a 12" face plate including brackets for panel mount) RM Standard (with a 12" face plate) PM Standard (with a 12" face plate including brackets for panel mount) PM Standard (with a 12" face plate including brackets for panel mount) PM Standard (with a 12" face plate including brackets for panel mount) PM Standard (with a 12" face plate including brackets for panel mount) PM Standard (with a 12" face plate including brackets for panel mount) PM Standard (with a 12" face plate including brackets for panel mount) PM Standard (with a 12" face plate including brackets for panel mount) PM Standard (with a 12" face plate including brackets for panel mount) PM Standard (with a 12" face plate including brackets for panel mount) PM Standard (with a 12" face plate including brackets for panel mount) PM Standard (with a 12" face plate including brackets for panel mount) PM Standard (with a 12" face plate including brackets for panel mount face plate included in the putter of the AMU-RTS (mGU010000). Additional costs apply, please contact your sales rep. Note 3: This option is not included in the price of AMU-RTS unit (MGU010000). Additional costs apply, please contact your sales rep. Note 4: Plate should be plate pla	6										
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Rack Mount (with a 19" rack mount face plate)  b - Language The selected language applies to the documentation and software user interface English  c - Power supply The selected voltage applies to the main power supply and to the digital inputs 24 Vdc - See Note 1  Note 1: Wall mount adapter provided (100-240 V / 50-60Hz)  d - AC Measurement Inputs  10 Vrms  e - Ethernet communication ports configuration  Standard : 2x RJ45 + 1x RJ45 service port connections Option MGC010000 : Replace 2xRJ45 by 2x Fiber Optic IC single mode; (service port remains 1xRJ45) - See Note 2  Option MGC020000 : Replace 2xRJ45 by 2x Fiber Optic IC multimode; (service port remains 1xRJ45) - See Note 2  Option MGC020000 : Replace 2xRJ45 by 2x Fiber Optic IC multimode; (service port remains 1xRJ45) - See Note 2  Option MGC021000 : Replace 2xRJ45 by 2x Fiber Optic IC multimode; (service port remains 1xRJ45) - See Note 2  Option MGC021000 : Replace 2xRJ45 by 2x Fiber Optic IC multimode; (service port remains 1xRJ45) - See Note 2  Option MGC021000 : Replace 2xRJ45 by 2x Fiber Optic IC multimode; (service port remains 1xRJ45) - See Note 2  Option MGC021000 : Replace 2xRJ45 by 2x Fiber Optic IC multimode; (service port remains 1xRJ45) - See Note 2  Option MGC021000 : Replace 2xRJ45 by 2x Fiber Optic IC multimode; (service port remains 1xRJ45) - See Note 2  Option MGC021000 : Replace 2xRJ45 by 2x Fiber Optic IC multimode; (service port remains 1xRJ45) - See Note 2  Option MGC021000 : Replace 2xRJ45 by 2x Fiber Optic IC multimode; (service port remains 1xRJ45) - See Note 2  Option MGC021000 : Replace 2xRJ45 by 2x Fiber Optic IC multimode; (service port remains 1xRJ45) - See Note 2  Option MGC021000 : Replace 2xRJ45 by 2x Fiber Optic IC multimode; (service port remains 1xRJ45) - See Note 2  Option MGC021000 : Replace 2xRJ45 by 2x Fiber Optic IC multimode; (service port remains 1xRJ45) - See Note 2  Option MGC021000 : Replace 2xRJ45 by 2x Fiber Optic IC multimode; (service port remains 1xRJ45) - See Note 2  Option MGC021000 : Replace 2xRJ45 by 2x F	Standard Mount (No face plate)			SM							l
b - Language The selected language applies to the documentation and software user interface English  c - Power supply The selected voltage applies to the main power supply and to the digital inputs 2 Vac - See Note 2  Note 1 : Wall mount adapter provided (100-240 V / 50-60Hz)  d - AC Measurement Inputs 10 Vrms  e - Ethernet communication ports configuration Standard : 2x R145 + 1x R45 service port connections Option McC020000 : Replace 2xR145 by 2x Fiber Optic CS multimode; (service port remains 1xR145) - See Note 2  Option McC020000 : Replace 2xR145 by 2x Fiber Optic CS multimode; (service port remains 1xR145) - See Note 2  Option McC020000 : Replace 2xR145 by 2x Fiber Optic CS multimode; (service port remains 1xR145) - See Note 2  Option McC020000 : Replace 2xR145 by 2x Fiber Optic CS multimode; (service port remains 1xR145) - See Note 2  1 Doption McC020000 : Replace 2xR145 by 2x Fiber Optic CS multimode; (service port remains 1xR145) - See Note 2  1 Doption McC020000 : Replace 2xR145 by 2x Fiber Optic CS multimode; (service port remains 1xR145) - See Note 2  1 Doption McC020000 : Replace 2xR145 by 2x Fiber Optic CS multimode; (service port remains 1xR145) - See Note 2  1 Doption McC020000 : Replace 2xR145 by 2x Fiber Optic CS multimode; (service port remains 1xR145) - See Note 2  1 Doption McC020000 : Replace 2xR145 by 2x Fiber Optic CS multimode; (service port remains 1xR145) - See Note 2  1 Doption McC020000 : Replace 2xR145 by 2x Fiber Optic CS multimode; (service port remains 1xR145) - See Note 2  1 Doption McC020000 : Replace 2xR145 by 2x Fiber Optic CS multimode; (service port remains 1xR145) - See Note 2  1 Doption McC020000 : Replace 2xR145 by 2x Fiber Optic CS multimode; (service port remains 1xR145) - See Note 2  1 Doption McC02000 : Replace 2xR145 by 2x Fiber Optic CS multimode; (service port remains 1xR145) - See Note 2  1 Doption McC02000 : Replace 2xR145 by 2x Fiber Optic CS multimode; (service port remains 1xR145) - See Note 2  1 Doption McC02000 : Replace 2xR145 by 2x Fiber Optic CS multimod	Panel Mount (With a 12" face plate including brackets for panel mount)			PM							
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The selected language applies to the documentation and software user interface English  - Power supply The selected voltage applies to the main power supply and to the digital inputs 24 Vdc - See Note 1  Note 1: Wall mount adapter provided (100-240 V / 50-60Hz)  - AC Measurement Inputs  10 Vrms  - Ethernet communication ports configuration Standard : 2x RI45 + 1x RI45 service port connections Option MGC010000 : Replace 2xRI45 by 2x Fiber Optic Ex multimode; (service port remains 1xRI45) - See Note 2  Option MGC021000 : Replace 2xRI45 by 2x Fiber Optic Ex multimode; (service port remains 1xRI45) - See Note 2  Option MGC021000 : Replace 2xRI45 by 2x Fiber Optic Losingle mode; (service port remains 1xRI45) - See Note 2  Note 2 : Options are not included in the price of the AMU-RTS (MGU010000). Additional costs apply, please contact your sales rep.  f - Digital Inputs / Outputs  Standard : 4x Signalization digital ouputs (relay) + 10x Digital inputs + 6x High current digital outputs, enabling the IEC61850 GOOSE subscriber protocol with XCBR control model.  g - Time synchronization Standard : either by PTP1588 Ethernet clock or IRIG-B / PPS input or NTP over Ethernet  Option MGC000100 : Built-in GPS receiver allowing AMU time synchronization in autonomous mode - See notes 3 and 4  Note 3 : This option is not included in the price of AMU-RTS unit (MGU010000). Additional costs apply, please contact your sales rep.  Note 4 : Please note the GPS antenna and mounting accessories are not included in the built-in GPS receiver option.  h - Options  Standard : No additional option  PMGENTARY ACCESSION OF SERVICE	h - Language										
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e - Ethernet communication ports configuration  Standard : 2x RJ45 + 1x RJ45 service port connections  Option MGC010000 : Replace 2xRJ45 by 2x Fiber Optic ST multimode; (service port remains 1xRJ45) - See Note 2  Option MGC020000 : Replace 2xRJ45 by 2x Fiber Optic LC single mode; (service port remains 1xRJ45) - See Note 2  Option MGC021000 : Replace 2xRJ45 by 2x Fiber Optic LC single mode; (service port remains 1xRJ45) - See Note 2  Note 2 : Options are not included in the price of the AMU-RTS (MGU010000). Additional costs apply, please contact your sales rep.  f - Digital Inputs / Outputs  Standard : 4x Signalization digital ouputs (relay) + 10x Digital inputs + 6x High current digital outputs, enabling the IEC61850 GOOSE subscriber protocol with XCBR control model.  g - Time synchronization  Standard : either by PTP1588 Ethernet clock or IRIG-B / PPS input or NTP over Ethernet  Option MGC000100 : Built-in GPS receiver allowing AMU time synchronization in autonomous mode - See notes 3 and 4  Note 3 : This option is not included in the price of AMU-RTS unit (MGU010000). Additional costs apply, please contact your sales rep.  Note 4 : Please note the GPS antenna and mounting accessories are not included in the built-in GPS receiver option.  h - Options  Standard : No additional option  MGU010000 PM EN L L 0 L 0	Note 1: Wall mount adapter provided (100-240 V / 50-60Hz)										
e - Ethernet communication ports configuration  Standard : 2x RJ45 + 1x RJ45 service port connections  Option MGC010000 : Replace 2xRJ45 by 2x Fiber Optic ST multimode; (service port remains 1xRJ45) - See Note 2  Option MGC020000 : Replace 2xRJ45 by 2x Fiber Optic LC single mode; (service port remains 1xRJ45) - See Note 2  Option MGC021000 : Replace 2xRJ45 by 2x Fiber Optic LC single mode; (service port remains 1xRJ45) - See Note 2  Note 2 : Options are not included in the price of the AMU-RTS (MGU010000). Additional costs apply, please contact your sales rep.  f - Digital Inputs / Outputs  Standard : 4x Signalization digital ouputs (relay) + 10x Digital inputs + 6x High current digital outputs, enabling the IEC61850 GOOSE subscriber protocol with XCBR control model.  g - Time synchronization  Standard : either by PTP1588 Ethernet clock or IRIG-B / PPS input or NTP over Ethernet  Option MGC000100 : Built-in GPS receiver allowing AMU time synchronization in autonomous mode - See notes 3 and 4  Note 3 : This option is not included in the price of AMU-RTS unit (MGU010000). Additional costs apply, please contact your sales rep.  Note 4 : Please note the GPS antenna and mounting accessories are not included in the built-in GPS receiver option.  h - Options  Standard : No additional option  MGU010000 PM EN L L 0 L 0											
e - Ethernet communication ports configuration Standard: 2x R145 + 1x R145 service port connections Option MGC010000: Replace 2xR145 by 2x Fiber Optic IC single mode; (service port remains 1xR145) - See Note 2 1 1 Option MGC020000: Replace 2xR145 by 2x Fiber Optic LC single mode; (service port remains 1xR145) - See Note 2 2 Option MGC021000: Replace 2xR145 by 2x Fiber Optic LC multimode; (service port remains 1xR145) - See Note 2 3 Note 2: Options are not included in the price of the AMU-RTS (MGU010000). Additional costs apply, please contact your sales rep.  f - Digital Inputs / Outputs Standard: 4x Signalization digital ouputs (relay) + 10x Digital inputs + 6x High current digital outputs, enabling the IEC61850 GOOSE subscriber protocol with XCBR control model.  g - Time synchronization Standard: either by PTP1588 Ethernet clock or IRIG-B / PPS input or NTP over Ethernet Option MGC000100: Built-in GPS receiver allowing AMU time synchronization in autonomous mode - See notes 3 and 4 Note 3: This option is not included in the price of AMU-RTS unit (MGU010000). Additional costs apply, please contact your sales rep. Note 4: Please note the GPS antenna and mounting accessories are not included in the built-in GPS receiver option.  h - Options Standard: No additional option  MGU010000 PM EN L L 0 L 0	d - AC Measurement Inputs										
Standard: 2x RJ45 + 1x RJ45 service port connections  Option MGC010000: Replace 2xRJ45 by 2x Fiber Optic ST multimode; (service port remains 1xRJ45) - See Note 2  Option MGC021000: Replace 2xRJ45 by 2x Fiber Optic LC single mode; (service port remains 1xRJ45) - See Note 2  Option MGC021000: Replace 2xRJ45 by 2x Fiber Optic LC single mode; (service port remains 1xRJ45) - See Note 2  Option MGC021000: Replace 2xRJ45 by 2x Fiber Optic LC multimode; (service port remains 1xRJ45) - See Note 2  Note 2: Options are not included in the price of the AMU-RTS (MGU010000). Additional costs apply, please contact your sales rep.  f - Digital Inputs / Outputs  Standard: 4x Signalization digital ouputs (relay) + 10x Digital inputs + 6x High current digital outputs, enabling the IEC61850 GOOSE subscriber protocol with XCBR control model.  g - Time synchronization  Standard: either by PTP1588 Ethernet clock or IRIG-B / PPS input or NTP over Ethernet  Option MGC000100: Built-in GPS receiver allowing AMU time synchronization in autonomous mode - See notes 3 and 4  Note 3: This option is not included in the price of AMU-RTS unit (MGU010000). Additional costs apply, please contact your sales rep.  Note 4: Please note the GPS antenna and mounting accessories are not included in the built-in GPS receiver option.  h - Options  Standard: No additional option  MGU10000 RM EN I I I O I	10 Vrms						٦				I
Note 2 : Options are not included in the price of the AMU-RTS (MGU010000). Additional costs apply, please contact your sales rep.  5 - Digital Inputs / Outputs  Standard : 4x Signalization digital ouputs (relay) + 10x Digital inputs + 6x High current digital outputs, enabling the IEC61850 GOOSE subscriber protocol with XCBR control model.  9 - Time synchronization  Standard : either by PTP1588 Ethernet clock or IRIG-B / PPS input or NTP over Ethernet  Option MGC000100 : Built-in GPS receiver allowing AMU time synchronization in autonomous mode - See notes 3 and 4  Note 3 : This option is not included in the price of AMU-RTS unit (MGU010000). Additional costs apply, please contact your sales rep.  Note 4 : Please note the GPS antenna and mounting accessories are not included in the built-in GPS receiver option.  1 - Options  Standard : No additional option  MGU010000 PM EN L L D D L O	Option MGC020000 : Replace 2xRJ45 by 2x Fiber Optic LC single mode; (service port remains 1xRJ45) - See Note 2							2			
Standard: 4x Signalization digital ouputs (relay) + 10x Digital inputs + 6x High current digital outputs, enabling the IEC61850 GOOSE subscriber protocol with XCBR control model.  g - Time synchronization  Standard: either by PTP1588 Ethernet clock or IRIG-B / PPS input or NTP over Ethernet  Option MGC000100: Built-in GPS receiver allowing AMU time synchronization in autonomous mode - See notes 3 and 4  Note 3: This option is not included in the price of AMU-RTS unit (MGU010000). Additional costs apply, please contact your sales rep.  Note 4: Please note the GPS antenna and mounting accessories are not included in the built-in GPS receiver option.  h - Options  Standard: No additional option  MGU010000 RM EN L. L. 0. L. 0.  MGU010000 RM EN L. L. 0. L. 0.  MGU010000 RM EN L. L. 0. L. 0.	Option MGC021000: Replace 2xRJ45 by 2x Fiber Optic LC multimode; (service port rema	nins 1xRJ45) - See N	ote 2					3			1
Standard: 4x Signalization digital ouputs (relay) + 10x Digital inputs + 6x High current digital outputs, enabling the IEC61850 GOOSE subscriber protocol with XCBR control model.  g - Time synchronization  Standard: either by PTP1588 Ethernet clock or IRIG-B / PPS input or NTP over Ethernet  Option MGC000100: Built-in GPS receiver allowing AMU time synchronization in autonomous mode - See notes 3 and 4  Note 3: This option is not included in the price of AMU-RTS unit (MGU010000). Additional costs apply, please contact your sales rep.  Note 4: Please note the GPS antenna and mounting accessories are not included in the built-in GPS receiver option.  h - Options  Standard: No additional option  Coding examples  TS unit: rackmount, English version, 24Vdc, AC inputs 10Vrms, 2x RJ45 + 1 RJ45 Standard  MGU010000 PM EN L. L. D. L	Note 2 : Options are not included in the price of the AMU-RTS (MGU010000). Additional of	costs apply, please	contact your sales re	p.							
enabling the IEC61850 GOOSE subscriber protocol with XCBR control model.  g - Time synchronization  Standard : either by PTP1588 Ethernet clock or IRIG-B / PPS input or NTP over Ethernet  Option MGC000100 : Built-in GPS receiver allowing AMU time synchronization in autonomous mode - See notes 3 and 4  Note 3 : This option is not included in the price of AMU-RTS unit (MGU010000). Additional costs apply, please contact your sales rep.  Note 4 : Please note the GPS antenna and mounting accessories are not included in the built-in GPS receiver option.  h - Options  Standard : No additional option  Coding examples  TS unit: rackmount, English version , 24Vdc, AC inputs 10Vrms, 2x RJ45 + 1 RJ45 Standard  MGU010000 RM EN L L D D L D	f - Digital Inputs / Outputs										
enabling the IEC61850 GOOSE subscriber protocol with XCBR control model.  g - Time synchronization  Standard : either by PTP1588 Ethernet clock or IRIG-B / PPS input or NTP over Ethernet  Option MGC000100 : Built-in GPS receiver allowing AMU time synchronization in autonomous mode - See notes 3 and 4  Note 3 : This option is not included in the price of AMU-RTS unit (MGU010000). Additional costs apply, please contact your sales rep.  Note 4 : Please note the GPS antenna and mounting accessories are not included in the built-in GPS receiver option.  h - Options  Standard : No additional option  Coding examples  TS unit: rackmount, English version , 24Vdc, AC inputs 10Vrms, 2x RJ45 + 1 RJ45 Standard  MGU010000 PM EN L L 0 L 0	Standard: 4x Signalization digital ouputs (relay) + 10x Digital inputs + 6x High current digital outputs,										1
Standard: either by PTP1588 Ethernet clock or IRIG-B / PPS input or NTP over Ethernet  Option MGC000100: Built-in GPS receiver allowing AMU time synchronization in autonomous mode - See notes 3 and 4  Note 3: This option is not included in the price of AMU-RTS unit (MGU010000). Additional costs apply, please contact your sales rep.  Note 4: Please note the GPS antenna and mounting accessories are not included in the built-in GPS receiver option.  h - Options  Standard: No additional option  Coding examples  TS unit: rackmount, English version, 24Vdc, AC inputs 10Vrms, 2x RJ45 + 1 RJ45 Standard  MGU010000 PM EN L. L. D. L.	enabling the IEC61850 GOOSE subscriber protocol with XCBR control model.							L		ļ	
Standard: either by PTP1588 Ethernet clock or IRIG-B / PPS input or NTP over Ethernet  Option MGC000100: Built-in GPS receiver allowing AMU time synchronization in autonomous mode - See notes 3 and 4  Note 3: This option is not included in the price of AMU-RTS unit (MGU010000). Additional costs apply, please contact your sales rep.  Note 4: Please note the GPS antenna and mounting accessories are not included in the built-in GPS receiver option.  h - Options  Standard: No additional option  Coding examples  TS unit: rackmount, English version, 24Vdc, AC inputs 10Vrms, 2x RJ45 + 1 RJ45 Standard  MGU010000 PM EN L. L. D. L.											
Option MGC000100: Built-in GPS receiver allowing AMU time synchronization in autonomous mode - See notes 3 and 4  Note 3: This option is not included in the price of AMU-RTS unit (MGU010000). Additional costs apply, please contact your sales rep.  Note 4: Please note the GPS antenna and mounting accessories are not included in the built-in GPS receiver option.  h - Options  Standard: No additional option  Coding examples  TS unit: rackmount, English version, 24Vdc, AC inputs 10Vrms, 2x RJ45 + 1 RJ45 Standard  MGU010000 RM EN L. L. D.			т —						Λ	1	
Option MGC000100: Built-in GPS receiver allowing AMU time synchronization in autonomous mode - See notes 3 and 4  Note 3: This option is not included in the price of AMU-RTS unit (MGU010000). Additional costs apply, please contact your sales rep.  Note 4: Please note the GPS antenna and mounting accessories are not included in the built-in GPS receiver option.  h - Options  Standard: No additional option  coding examples  TS unit: rackmount, English version , 24Vdc, AC inputs 10Vrms, 2x RJ45 + 1 RJ45 Standard  MGU010000 PM EN L L D D D D D D D D D D D D D D D D D	Standard . either by F1F1388 Ethernet clock of Inio-b / FF3 input of INIF over Ethernet			1							
Note 3 : This option is not included in the price of AMU-RTS unit (MGU010000). Additional costs apply, please contact your sales rep.  Note 4 : Please note the GPS antenna and mounting accessories are not included in the built-in GPS receiver option.  h - Options  Standard : No additional option  coding examples  TS unit: rackmount, English version , 24Vdc, AC inputs 10Vrms, 2x RJ45 + 1 RJ45 Standard  MGU010000 PM EN J J O J O	Option MGC000100: Built-in GPS receiver allowing AMU time synchronization in autonor	mous mode - See no	otes 3 and 4							1	
Note 4 : Please note the GPS antenna and mounting accessories are not included in the built-in GPS receiver option.  h - Options  Standard : No additional option  coding examples  TS unit: rackmount, English version , 24Vdc, AC inputs 10Vrms, 2x RJ45 + 1 RJ45 Standard  MGU110000 PM FN J J D D	,			ren							
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