

## Desoutter Controllers - Open Protocol MID list

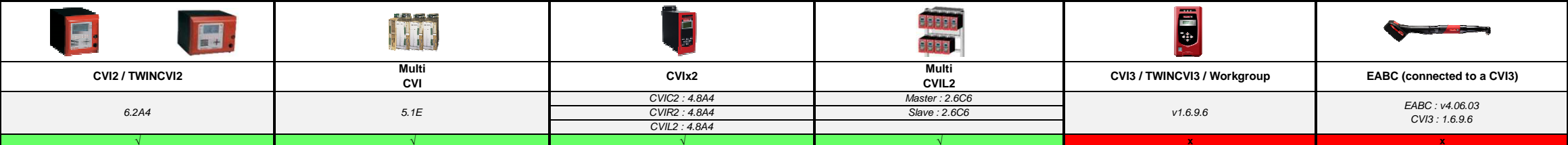
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## Desoutter Controllers - Open Protocol MID list



Last Firmware version		6.2A4								5.1E								CVIC2 : 4.8A4								Master : 2.6C6								v1.6.9.6								EABC : v4.06.03								ID																							
																		CVIR2 : 4.8A4								Slave : 2.6C6																CVI3 : 1.6.9.6																															
																		CVIL2 : 4.8A4																																																							
Licence		√																√																√																x																x							
ID	Description	Rev 0/1	2	3	4	5	6	998	999	Rev 0/1	2	3	4	5	6	998	999	Rev 0/1	2	3	4	5	6	998	999	Rev 0/1	2	3	4	5	6	998	999	Rev 0/1	2	3	4	5	6	998	999	ID																															
User interface messages																																																																									
MID 0110	Display user text on compact	x								x								x								x								x								MID 0110																															
MID 0111	Display user text on graph	√								x								x								x								x								MID 0111																															
MID 0113	Flash green light on tool	√ (≥5.1B)								x								x								x								√								MID 0113																															
Job messages, advanced																																																																									
MID 0120	Job line control info subscribe	x								x								x								x								x								MID 0120																															
MID 0121	Job line control started	x								x								x								x								x								MID 0121																															
MID 0122	Job line control alert 1	x								x								x								x								x								MID 0122																															
MID 0123	Job line control alert 2	x								x								x								x								x								MID 0123																															
MID 0124	Job line control done	x								x								x								x								x								MID 0124																															
MID 0125	Job line control info acknowledge	x								x								x								x								x								MID 0125																															
MID 0126	Job line control info unsubscribe	x								x								x								x								x								MID 0126																															
MID 0127	Abort Job	x								x								x								x								√								MID 0127																															
MID 0128	Job batch increment	x								x								x								x								x								MID 0128																															
MID 0129	Job batch decrement	x	x							x	x							x								x	x							x	x							MID 0129																															
MID 0130	Job off	x								x								x								x								√								MID 0130																															
MID 0131	Set Job line control start	x								x								x								x								x								MID 0131																															
MID 0132	Set Job line alert 1	x								x								x								x								x								MID 0132																															
MID 0133	Set Job line alert 2	x								x								x								x								x								MID 0133																															
MID 0140	Execute dynamic Job request	x							x	x							x	x							x	x							x	√					√			MID 0140																															
Multiple identifiers messages																																																																									
MID 0150	Identifier download request	x								x								x								x								√								MID 0150																															
MID 0151	Multiple identifiers work order subscribe	x								x								x								x								x								MID 0151																															
MID 0152	Multiple Identifiers work order	x								x								x								x								x								MID 0152																															
MID 0153	Multiple Identifiers work order acknowledge	x								x								x								x								x								MID 0153																															
MID 0154	Multiple Identifiers work order unsubscribe	x								x								x								x								x								MID 0154																															
MID 0155	Bypass Identifier	x								x								x								x								x								MID 0155																															
MID 0156	Reset latest Identifier	x								x								x								x								x								MID 0156																															
MID 0157	Reset all Identifiers	x								x								x								x								x								MID 0157																															
I/O Interface																																																																									
MID 0200	Set externally controlled relays	√								x								x								x								√								MID 0200																															
MID 0210	Status externally monitored inputs subscribe	√								x								x								x								√								MID 0210																															
MID 0211	Status externally monitored inputs	√								x								x								x								√								MID 0211																															
MID 0212	Status externally monitored inputs acknowledge	√								x								x								x								√								MID 0212																															
MID 0213	Status externally monitored inputs unsubscribe	√								x								x								x								√								MID 0213																															
MID 0214	IO device status request	x	x							x	x							x	x							x	x							√	√							MID 0214																															
MID 0215	IO device status reply	x	x							x	x							x	x							x	x							√	√	√						MID 0215																															
MID 0216	Relay function subscribe	x								x								x								x								√								MID 0216																															
MID 0217	Relay function	x								x								x								x								√								MID 0217																															
MID 0218	Relay function acknowledge	x								x								x								x								√								MID 0218																															
MID 0219	Relay function unsubscribe	x								x								x								x								√								MID 0219																															
MID 0220	Digital input function subscribe	x								x								x								x								√								MID 0220																															
MID 0221	Digital input function	x								x								x								x								√								MID 0221																															
MID 0222	Digital input function acknowledge	x								x								x								x								√								MID 0222																															
MID 0223	Digital input function unsubscribe	x								x								x								x								√								MID 0223																															
MID 0224	Set digital input function	x								x								x								x								√								MID 0224																															
MID 0225	Reset digital input function	x								x								x								x								√								MID 0225																															
PLC user data messages																																																																									
MID 0240	User data download	x								x								x								x								x									MID 0240																														
MID 0241	User data subscribe	x								x								x								x								x								MID 0241																															
MID 0242	User data	x								x								x								x								x								MID 0242																															
MID 0243	User data acknowledge	x								x								x								x								x								MID 0243																															
MID 0244	User data unsubscribe	x								x								x								x								x								MID 0244																															
Selector messages																																																																									
MID 0250	Selector socket info subscribe	√								√								x								x								√								MID 0250																															
MID 0251	Selector socket info	√								√								x								x								√								MID 0251																															
MID 0252	Selector socket info acknowledge	√								√								x								x								√								MID 0252																															
MID 0253	Selector socket info unsubscribe	√								√								x								x								√								MID 0253																															
MID 0254	Selector control green lights	√								√								x								x								√								MID 0254																															
MID 0255	Selector control red lights	x								x								x								x								√								MID 0255																															
Tool Tag																																																																									
MID 0260	Tool Tag ID request	x								x								x								x								x								MID 0260																															
MID 0261	Tool Tag ID subscribe	x								x								x								x								x								MID 0261																															
MID 0262	Tool Tag ID	x								x								x								x								x								MID 0262																															
MID 0263	Tool Tag ID acknowledge	x								x								x								x								x								MID 0263																															
M																																																																									

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MID	Description	Particularity of some MID functions on CVI controllers																Particularity of some MID functions on CVIx2 and MultiCVIL2 controllers																Particularity of some MID on CVI3 / EABC															
MID 0013	Parameter set data upload reply	The values are those of the last final speed phase of the pset.																The values are those of the last final speed phase of the pset.																															
MID 0041	Tool data upload reply																	Last calibration date field is the date for the last modification in tool memory board. In MultiCVIL, data corresponding to the 1st slave.																															
MID 0042	Disable tool	The tool is disabled by using the spindle validation control (check in station parameters menu that the spindle validation source is PLC or Protocol(if existing)).																The tool is disabled by using the spindle validation control (check in station parameters menu that the spindle validation source is PLC). Don't use it if a fieldbus module is used in the controller with spindle validation data.																															
MID 0043	Enable tool	The tool is enabled by using the spindle validation control (check in station parameters menu that the spindle validation source is PLC or Protocol(if existing)).																The tool is enabled by using the spindle validation control (check in station parameters menu that the spindle validation source is PLC). Don't use it if a fieldbus module is used in the controller with spindle validation data.																															
MID 0044	Disconnect tool	The tool cannot be disconnected from CVI controllers. An error message is returned to this frame.																The tool cannot be disconnected from CVI controllers. An error message is returned to this frame.																CVI3 : The tool cannot be disconnected from CVI controllers. An error message is returned to this frame.															
MID 0065	Old tightening result upload reply	Batch counter and Batch status are always 0. They are not stored in the result memory.																Batch counter and Batch status are always 0. They are not stored in the result memory.																															
MID 0071	Alarm Upload	Error codes returned by this function are those of CVI (E001 to E012).																Error codes returned by this function are those of CVI (E001 to E012).																															
MID 0074	Alarm Acknowledged on torque controller	Alarms are acknowledged on the CVI controller after that the problem is resolved and a "start cycle" is done.																Alarms are acknowledged on the CVI controller after that the problem is resolved and a "start cycle" is done.																															
MID 0076	Alarm Status	Error codes returned by this function are those of CVI (from E001 to E012).																Error codes returned by this function are those of CVI (from E001 to E012).																															
MID 0091	Multi-spindle status																																	CVI3 : Parameter number of spindles can have value from 1 to 99 (ACTA from 2 to 10)															
MID 0101	Multi-spindle result																																	CVI3 : Parameter number of spindles can have value from 1 to 99 (ACTA from 2 to 10). Tolerance and target come from the first tool.															
MID 0111	Display user text on graph	This functionality does not exist for MULTICVI.																																This functionality does not exist for CVI3 and EABC															
MID 0113	Flash green light on tool																																	EABC : flash all lights 5 times															
MID 0140	Execute dynamic Job request																																	CVI3 : TU#1 - Ch ID = 0 / TU#2 - Ch ID = 1 EABC : TU#51 - Ch ID = 51															
MID 0200	Set "external controlled" relays	This functionality is enabled for one channel CVI, and for synchronous TWINCVI. In that case, 10 pins of I/O port n°2 are used as external outputs. The list of outputs is the following: Open Protocol relay id - CVI output id (on I/O port 2) - Pin number 1 - 7 - 6 2 - 8 - 5 3 - 9 - 3 4 - 10 - 2 5 - 11 - 18 6 - 12 - 19 7 - 13 - 14 8 - 14 - 12 9 - 15 - 10 10 - 16 - 35 The "flash" mode for relays is not supported; it acts the same as "do not care". When trying to use this command with asynchronous TWIN CVI, the command error code 53 ("Faulty IO device number") is returned.																MultiCVII2 : set ISaGRAF outputs : relay 1 = Output ISA 1 slave 1 / ... / relay 8 = Output 4 slave 2 / ... / relay 10 = Outputs ISA 2 slave 3  CVIxII : only 8 outputs can be driven. They have to be configured as Pass Thru  The "flash" mode is not supported.																"OP external outputs" only															
MID 0211	Status "external monitored inputs" upload	This functionality is enabled for one channel CVI, and for synchronous TWIN CVI. In that case, 8 pins of I/O port n°2 are used as external inputs. The list of inputs is the following: Open Protocol input id - CVI input id (on I/O port 2) - Pin number 1 - 1 - 24 2 - 2 - 25 3 - 3 - 27 4 - 4 - 29 5 - 5 - 31 6 - 6 - 32 7 - 7 - 33 8 - 8 - 34																MultiCVIL 2 : read master controller inputs																"OP external inputs" only															
MID 0217	Relay function																																	All outputs are not available															
MID 0221	Digital input function																	CVIxII: only item 008 is available (start cycle cont)																All inputs are not available															
MID 0224	Set digital input function																	CVIxII: only item 008 is available (start cycle cont)																All inputs are not available															
MID 0225	Reset digital input function																	CVIxII: only item 008 is available (start cycle cont)																All inputs are not available															
MID 0251	Selector socket info																	On CVIx2, the 5 first inputs are used for socket detection. With CVIL2, the quick stop2 (input 5) is read as a socket lift.																															
	Other	"No ack flag" not managed																"No ack flag" not managed																"No ack flag" managed															