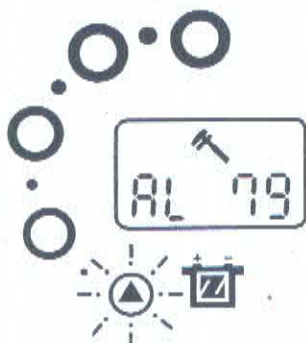


4 ALARMS

The ZAPI MDI gives indication of the Alarm of the controller to which it is connected, with a corresponding code..

When an Alarm is generated, the Red LED flashes to attract the attention of the operator. The symbol of Shifting Spanner also appears.



Using the indication given by the MDI and after reference to the following chart, the operator can solve the problem, if the failure is not serious. It will also be necessary to refer to the paragraph describing the Alarms in the Manual of the relevant controller. If the Alarm information suggests or indicates a serious problem, the operator will be able to give useful information to the Service Centre, thereby reducing down time with relative costs savings.

AL 00	NONE
AL 01	CHOPPER RUNNING
AL 02	NO COMUNICATION
AL 03	UNKNOWN CHOPPER
AL 04	CONSOLE EEPROM
AL 05	SERIAL ERROR 2
AL 06	SERIAL ERROR 1
AL 07	CHOPPER NOT CONFIG
AL 08	WATCHDOG
AL 09	FIELD FF FAILURE

AL 10	EEPROM DATA KO
AL 11	EEPROM PAR KO
AL 12	EEPROM CONF KO
AL 13	EEPROM KO
AL 14	EEPROM OFFLINE
AL 15	LOGIC FAILURE 5
AL 16	LOGIC FAILURE 4
AL 17	LOGIC FAILURE 3
AL 18	LOGIC FAILURE 2
AL 19	LOGIC FAILURE 1
AL 20	FORW VMN LOW
AL 21	FORW VMN HIGH
AL 22	BACK VMN LOW
AL 23	BACK VMN HIGH
AL 24	LEFT VMN LOW
AL 25	LEFT VMN HIGH
AL 26	RIGHT VMN LOW
AL 27	RIGHT VMN HIGH
AL 28	PUMP VMN LOW
AL 29	PUMP VMN HIGH
AL 30	VMN LOW
AL 31	VMN HIGH
AL 32	VMN NOT OK
AL 33	NO FULL COND
AL 34	RGT NO FULL COND
AL 35	LFT NO FULL COND
AL 36	PU NO FULL COND
AL 37	CONTACTOR CLOSED
AL 38	CONTACTOR OPEN
AL 39	BRAKE DON' T CLOSED
AL 40	BRAKE CONT OPEN

AL 41	DIR CONT CLOSED
AL 42	DIR CONT OPEN
AL 43	RIGHT CONT CLOSED
AL 44	RIGHT CONT OPEN
AL 45	LEFT CONT CLOSED
AL 46	LEFT CONT OPEN
AL 47	MAIN CONT CLOSED
AL 48	MAIN CONT OPEN
AL 49	I=0 EVER
AL 50	LEFT I=0 EVER
AL 51	RIGHT I=0 EVER
AL 52	PUMP I=0 EVER
AL 53	STBY I HIGH
AL 54	LEFT STBY I HIGH
AL 55	RGT STBY I HIGH
AL 56	PUMP STBY I HIGH
AL 57	HIGH FIELD CURR
AL 58	NO FIELD CURR
AL 59	HIGH BRAKING I
AL 60	CAPACITOR CHARGE
AL 61	HIGH TEMPERATURE
AL 62	TH PROTECTION
AL 63	THERMIC LEVEL 2
AL 64	PUMP TEMPERATURE
AL 65	MOTOR TEMPERATURE
AL 66	BATTERY LOW
AL 67	BATTERY LEVEL 2
AL 68	BATTERY LEVEL 1
AL 69	CURRENT SENS KO
AL 70	POWER FAILURE 4
AL 71	POWER FAILURE 3

AL 72	POWER FAILURE 2
AL 73	POWER FAILURE 1
AL 74	DRIVER SHORTED
AL 75	CONTACTOR DRIVER
AL 76	COIL SHORTED
AL 77	COIL INTERRUPTED
AL 78	VACC NOT OK
AL 79	INCORRECT START
AL 80	FORW + BACK
AL 81	BAD STEER 0 SET
AL 82	ENCODER ERROR
AL 83	BAD ENCODER SIGN
AL 84	STEER SENS KO
AL 85	STEER HAZARD
AL 86	PEDAL WIRE KO
AL 87	PEDAL FAILURE
AL 88	TRACTION BRUSHES
AL 89	PUMP BRUSHES
AL 90	DRIVER 1 KO
AL 91	DRIVER 2 KO
AL 92	DRIVER 1 SIC KO
AL 93	DRIVER 2 SIC KO
AL 94	INPUT ERROR 6
AL 95	INPUT ERROR 5
AL 96	INVERSION
AL 97	POSITION HANDLE
AL 98	INPUT ERROR 2
AL 99	INPUT ERROR 1

Important:

The alarms reported in the previous tables are referred to Zapi standard coding. Customized software or special products can have same changes in the alarms indications.

Following you can find same example:

COD. MDI	ALARM		CHOPPER
AL 15	V FIELD NOT OK		SEM-0 / SEM-1C
AL 15	R VMN NOT OK		DUAL-SEM
AL 16	SYSTEM CHECK KO	SEM-2 / SEM-3 / COMBI-SEM	
AL 16	L VMN NOT OK		DUAL-SEM
AL 17	PUMP MOTOR TEMP.	SEM-2 / SEM-3 / COMBI-SEM	
AL 17	R V FIELD NOT OK		DUAL-SEM
AL 18	BRAKE DRIVER KO	SEM-2 / SEM-3 / COMBI-SEM	
AL 18	L V FIELD NOT OK		DUAL-SEM
AL 70	PUMP VACC NOT OK	SEM-2 / SEM-3 / COMBI-SEM	
AL 70	R FIELD I LOW		DUAL-SEM
AL 71	HANDBRAKE	SEM-2 / SEM-3 / COMBI-SEM	
AL 71	L FIELD I LOW		DUAL-SEM
AL 72	R FIELD I HIGH		DUAL-SEM
AL 73	L FIELD I HIGH		DUAL-SEM
AL 94	MICRO CHECK KO		DUAL-SEM
AL 95	OPERATOR ABSENT		DUAL-SEM
AL 96	BRAKE DRIVER KO		DUAL-SEM
AL 97	HANDBRAKE		DUAL-SEM
AL 98	CLEARING MDI HM		DUAL-SEM
AL 99	CHECK UP NEEDED		SEM-0 / SEM-1C