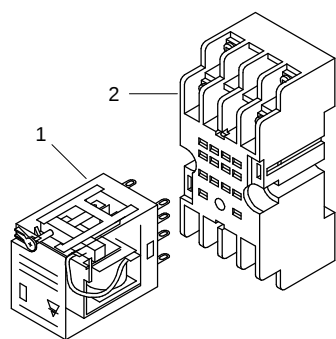


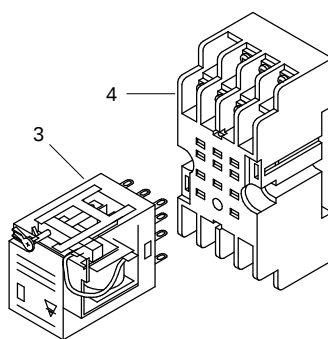
Table of contents.....	01-02
Relays.....	03
Time Delay Relays and Programmable Clock.....	04
Mechanical Switches.....	05
Proximity Switches.....	06
Current Sensor - SSAC.....	07
Fuses & Circuit Breaker.....	08
Cam Selector - Entrelec.....	09
Buttons and Selectors - Telemecanique since 2003.....	10
Automat System - Aromat.....	11
LFS.....	12
Main Board DEMIO.....	13
Sequencer UCC-800.....	14
IVR PRO & IVR PRO MAX@CCESS.....	15

Hardware Identification	
Type	Designation
Hexagonal bolt	-
Carriage bolt	CB
Square head bolt	SB
Socket head cap screw	SCS
Socket head set screw	SSS
Flat head cap screw	FCS
Hexagon nut	-
Hexagon nylon lock nut	N
Hexagon oval lock nut	OVL
Hexagon tri-lock nut	TRI
Castle nut	CSL
Flange nut	FLN
Wing nut	WNG
Flat washer	-
Lock washer	L
SAE washer	SAE
Large ext. dia. washer	LD
Small ext. dia. washer	SD
Stainless steel bolts parts	SS

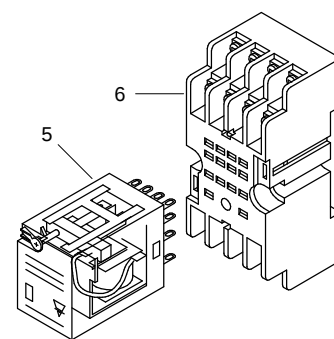
2-POLE RELAY



3-POLE RELAY

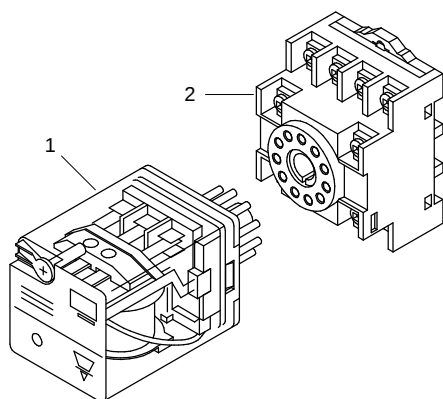


4-POLE RELAY

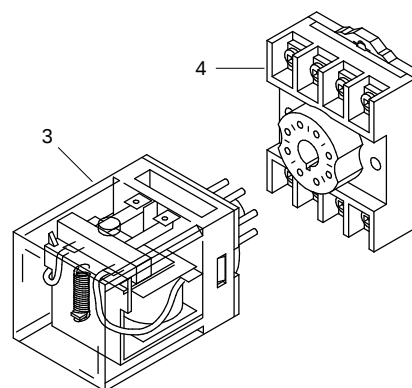


REF.	DESCRIPTION	HOULE	CARLO GAVAZZI	NAIS / AROMAT	ADVANCE (ACI)	OMRON
1	2-POLE RELAY, 24 VAC COIL 2-POLE RELAY, 24 VDC COIL 2-POLE RELAY, 115 VAC COIL	2005-2900-770 2005-2905-780 2005-2901-060	RMIA210024AC RMIA210024DC RMIA210115AC	HC2-H-AC24V HC2-H-DC24V HC2-H-AC115V	9566A024 ----- 9566A120	MY2-AC24V MY2-DC24V MY2-AC120V
2	SOCKET FOR 2-POLE RELAY	-----	ES15/2N	HC2-SFD-K	PYF08A	PYF08A-E
3	3-POLE RELAY, 24 VAC COIL 3-POLE RELAY, 115 VAC COIL	2005-2905-790 2005-2904-340	RMIA310024AC RMIA310115AC	HC3-H-AC24V HC3-H-AC115V	----- -----	----- -----
4	SOCKET FOR 3-POLE RELAY	2005-2905-440	ES15/3N	HC3-SFD-K	-----	-----
5	4-POLE RELAY, 24 VAC COIL 4-POLE RELAY, 115 VAC COIL	2005-2905-800 2005-2905-810	RMIA410024AC RMIA410115AC	HC4-H-AC24V HC4-H-AC115V	9568A024 9568A120	MY4-AC24V MY4-AC120V
6	SOCKET FOR 4-POLE RELAY	2005-2905-450	ES15/4N	HC4-SFD-K	PYF14A	PYF14A-E

11-PIN RELAY



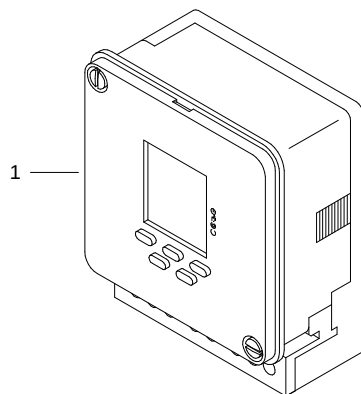
8-PIN RELAY



REF.	DESCRIPTION	HOULE	CARLO GAVAZZI	NAIS / AROMAT	ADVANCE (ACI)	OMRON
1	3-POLE RELAY, 11-PIN, 24 VAC COIL	2005-2905-770	RCP1100324AC	-----	-----	-----
2	SOCKET FOR 11-PIN RELAY		OT11-PC	AT11-RFD	PF113A	-----
3	2-POLE RELAY, 8-PIN, 115 VAC COIL	2013-2901-790	-----	-----	-----	MK2P-S
4	SOCKET FOR 8-PIN RELAY	2005-2902-250	OT08-PC	AT8-RFD	PF083A	-----

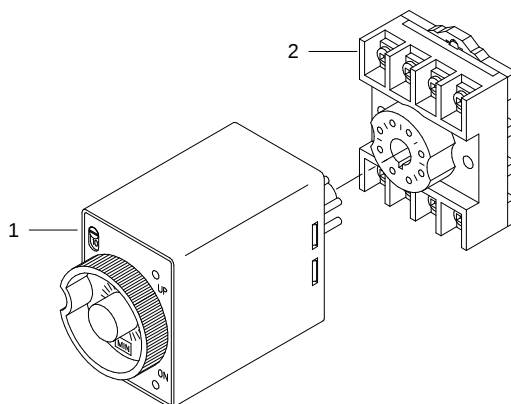
TIME DELAY RELAYS AND PROGRAMMABLE CLOCK

PROGRAMMABLE CLOCK



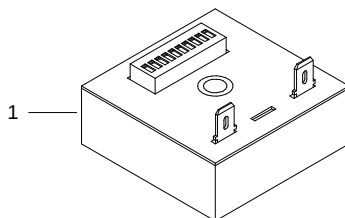
REF.	DESCRIPTION	HOULE	LeGRAND
1	PROGRAMMABLE CLOCK 28 PROGRAMS., 115 VAC	2005-2900-980	49683
	PROGRAMMABLE CLOCK 28 PROGRAMS., 24 VOLT AC/DC	2005-2905-400	49687

ON DELAY TIMER

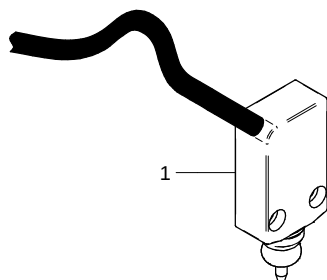


REF.	DESCRIPTION	HOULE	ADVANCE (ACI)	AROMAT	SSAC
1	TIMER 0 - 10 HRS, 24 - 250 VOLT AC/DC	2005-2900-780	8621A240	-----	-----
2	SOCKET FOR 8-PIN RELAY	2005-2902-250	-----	-----	OT08-PC

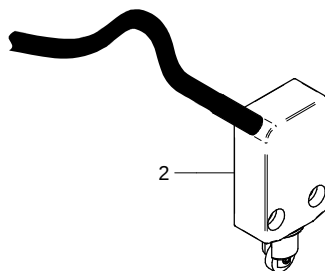
TIME DELAY RELAY AND SOLID STATE TIMER



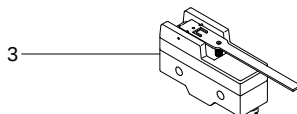
REF.	DESCRIPTION	HOULE	SSAC
1	SOLID STATE TIMER 0.1 - 102.3 SEC., COIL 19 - 144 VOLT AC/DC	-----	TDUL3000A



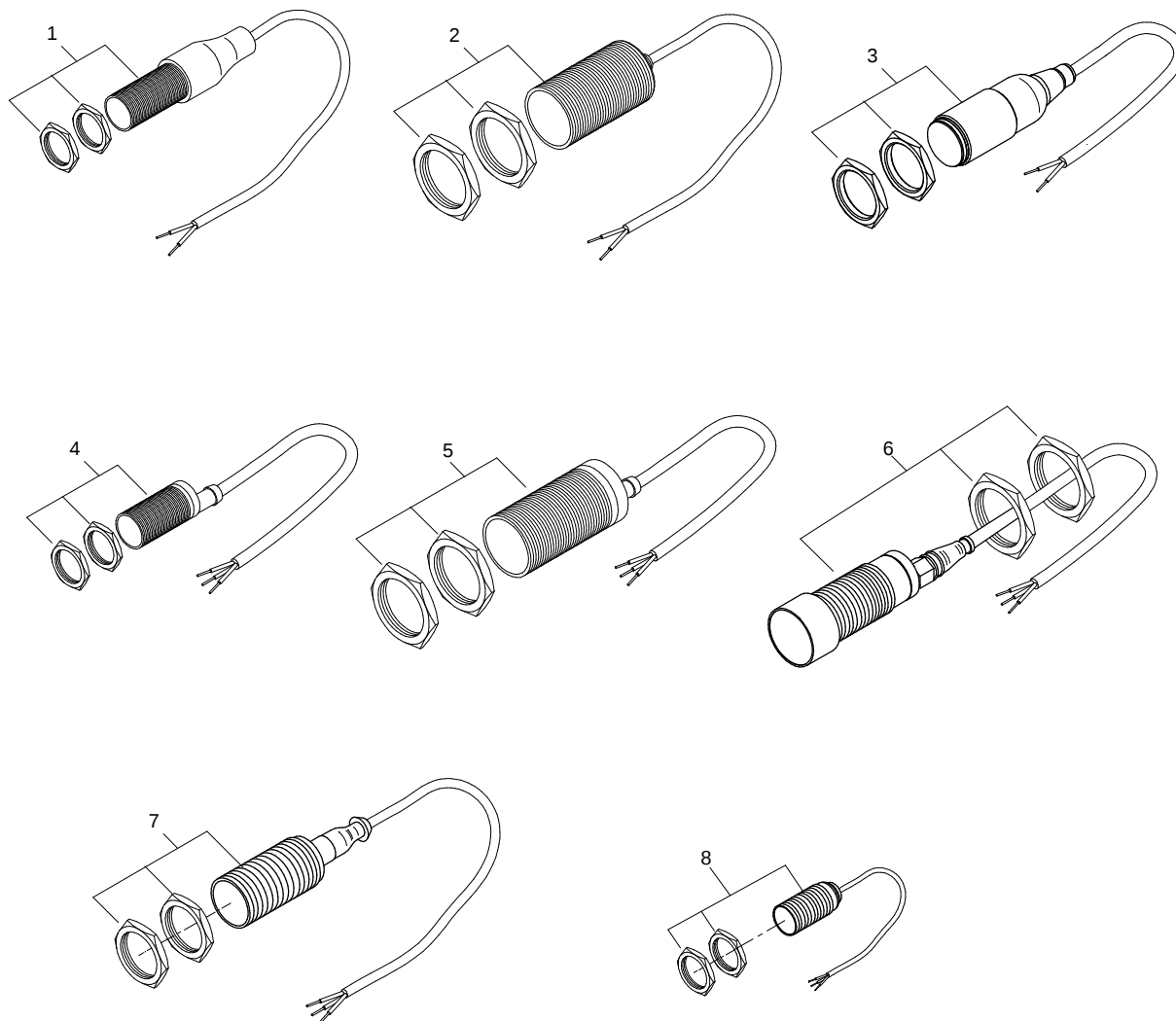
REF.	DESCRIPTION	HOULE
1	TIP HEAD MECHANICAL SWITCH	2005-2900-090



REF.	DESCRIPTION	HOULE
2	ROLLER HEAD MECHANICAL SWITCH	2005-7500-590

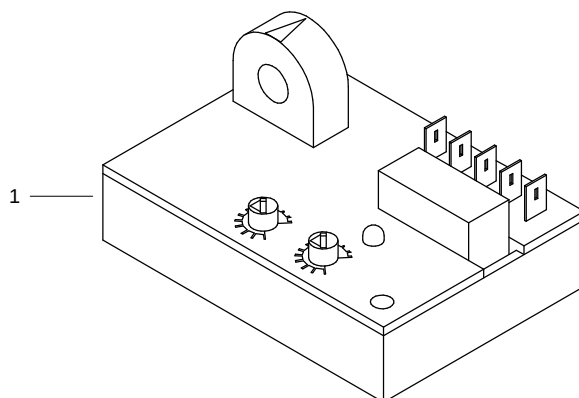


REF.	DESCRIPTION	HOULE	CUTLER-HAMMER
3	STRAIGHT LEVEL LIMIT SWITCH	2019-2905-230	E47BMS22



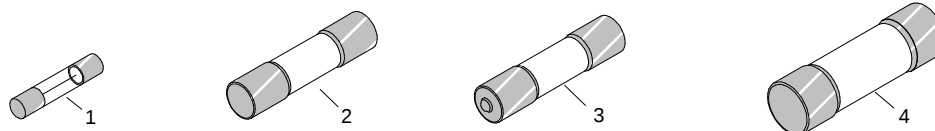
REF.	DESCRIPTION	HOULE	TELEMECANIQUE
1	18mm INDUCTIVE PROXIMITY SWITCH - N/C - 2-WIRE - 24 VAC	2005-2901-050	XS618B1MBL2
2	30mm INDUCTIVE PROXIMITY SWITCH - N/C - 2-WIRE - 24 VAC	2013-2905-370	XS630B1MBL2
3	30mm ULTRASONIC PROBE 3 LEVELS SENSOR (SEPARATOR REGULATOR TANK)	2019-2901-050	XS9V3A1C2M12
4	INDUCTIVE PROBE OF PROXIMITY 12V-48VDC	2013-2901-800	XS518B1VAL2
5	DETECTOR. PROXIMITY, 3-WIRE, PNP, 18mm	2013-2905-360	XS630B1NAL2
6	30mm ULTRASONIC SENSOR 2 LEVELS - 3-WIRE - 24 VDC (Separator Chute)	2019-2902-070	XS230A12PA00M12
7	30mm INDUCTIVE SENSOR - 3-WIRE - 24 VDC (FIT R-300)	2005-2901-830	XS630B1PBM12
8	18mm PROXIMITY SENSOR INDUCTIVE 18MM (CHAIN TRANSMISSION 13MM, H-86 AFTER JANUARY 2017)	2005-2902-020	XS518B1PAL2

CURRENT SENSOR



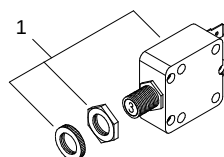
REF.	DESCRIPTION	HOULE	SSAC
1	CURRENT SENSOR 0.5 - 5.0 AMPS - 120 VAC	2005-2901-130	ECS40BC
	CURRENT SENSOR 2.0 - 20.0 AMPS - 120 VAC	2005-2901-120	ECS41BC
	CURRENT SENSOR 0.5 - 5.0 AMPS - 24 VAC (JAPAN)	2005-2905-540	ECS20BC
	CURRENT SENSOR 2.0 - 20.0 AMPS - 24 VAC (JAPAN)	2005-2905-550	ECS21BC

FUSE

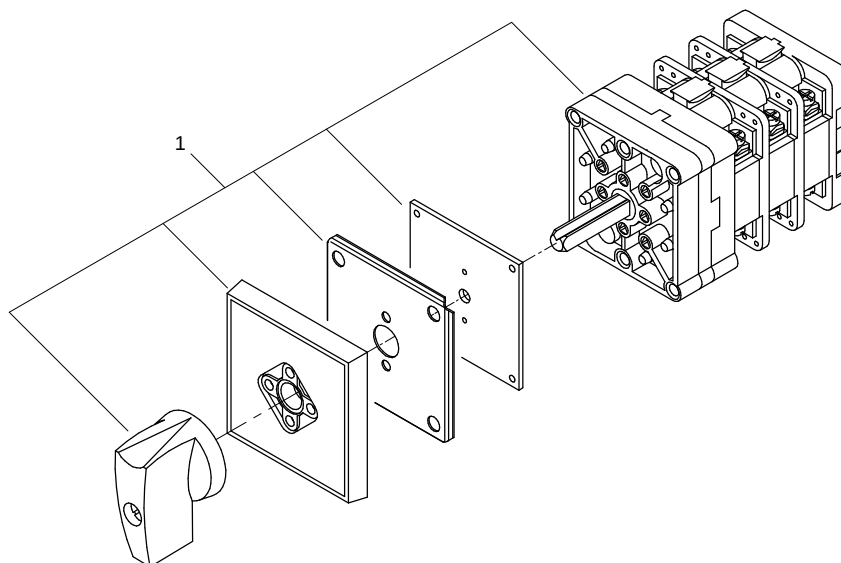


REF.	DESCRIPTION	HOULE	BUSS / EDISON	LITTELFUSE
1	FAST-ACTING FUSE - 1 AMP - 6.5mm x 32mm (1/4" x 1 1/4")	2005-2905-760	AGC 1A	312-1
	FAST-ACTING FUSE - 2 AMP - 6.5mm x 32mm (1/4" x 1 1/4")	-----	AGC 2A	312-2
	FAST-ACTING FUSE - 1 AMP - 5.0mm x 20mm (0.197" x 0.788")	2005-2901-070	GMA 1A	217-1H
	FAST-ACTING FUSE - 2 AMP - 5.0mm x 20mm (0.197" x 0.788")	2005-2900-790	GMA 2A	217-2H
	FAST-ACTING FUSE - 3 AMP - 5.0mm x 20mm (0.197" x 0.788")	2005-2905-410	GMA 3A	217-3H
	FAST-ACTING FUSE - 5 AMP - 5.0mm x 20mm (0.197" x 0.788")	2005-2905-420	GMA 5A	217-5H
			BUSS / EDISON	FERRAZ
2	TIME-DELAY FUSE - 0.25 AMP - 250V - CLASS CC	2005-2905-060	FNM-1/4	TRM-1/4
	TIME-DELAY FUSE - 0.5 AMP - 250V - CLASS CC	2005-2905-070	FNM-1/2	TRM-1/2
	TIME-DELAY FUSE - 0.6 AMP - 250V - CLASS CC	2005-2905-080	FNM-6/10	TRM-6/10
	TIME-DELAY FUSE - 1 AMP - 250V - CLASS CC	2005-2905-100	FNM-1	TRM-1
	TIME-DELAY FUSE - 1.5 AMP - 250V - CLASS CC	2005-2905-110	FNM-1-1/2	TRM-1-1/2
	TIME-DELAY FUSE - 3 AMP - 250V - CLASS CC	2005-2905-140	FNM-3	TRM-3
	TIME-DELAY FUSE - 15 AMP - 250V - CLASS CC	2005-2905-120	FNM-15	TRM-15
	TIME-DELAY FUSE - 20 AMP - 250V - CLASS CC	2005-2905-130	FNM-20	TRM-20
3	TIME-DELAY FUSE - 0.25 AMP - 600V - CLASS CC	2005-2905-160	FNQ-R-1/4	ATQR-1/4
	TIME-DELAY FUSE - 0.3 AMP - 600V - CLASS CC	2005-2905-190	FNQ-R-3/10	ATQR-3/10
	TIME-DELAY FUSE - 0.4 AMP - 600V - CLASS CC	2005-2905-200	FNQ-R-4/10	ATQR-4/10
	TIME-DELAY FUSE - 0.5 AMP - 600V - CLASS CC	2005-2905-150	FNQ-R-1/2	ATQR-1/2
	TIME-DELAY FUSE - 0.6 AMP - 600V - CLASS CC	2005-2905-220	FNQ-R-6/10	ATQR-6/10
	TIME-DELAY FUSE - 0.8 AMP - 600V - CLASS CC	2005-2905-230	FNQ-R-8/10	ATQR-8/10
	TIME-DELAY FUSE - 6 AMP - 600V - CLASS CC	2005-2905-210	FNQ-R-6	ATQR-6
	TIME-DELAY FUSE - 10 AMP - 600V - CLASS CC	2005-2905-170	FNQ-R-10	ATQR-10
	TIME-DELAY FUSE - 15 AMP - 600V - CLASS CC	2005-2905-180	FNQ-R-15	ATQR-15
4	TIME-DELAY FUSE - 40 AMP - 600V - CLASS J	2005-2905-020	----	AJT40
	TIME-DELAY FUSE - 50 AMP - 600V - CLASS J	2005-2905-030	----	AJT50
	TIME-DELAY FUSE - 60 AMP - 600V - CLASS J	2005-2905-040	----	AJT60
	TIME-DELAY FUSE - 80 AMP - 600V - CLASS J	2005-2905-050	----	AJT80
	TIME-DELAY FUSE - 100 AMP - 600V - CLASS J	2005-2905-000	----	AJT100
	TIME-DELAY FUSE - 225 AMP - 600V - CLASS J	2005-2905-010	----	AJT225

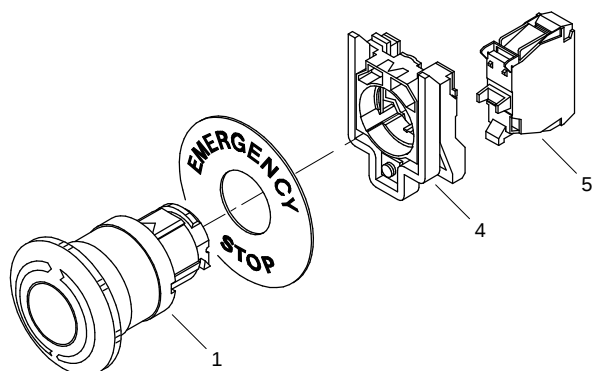
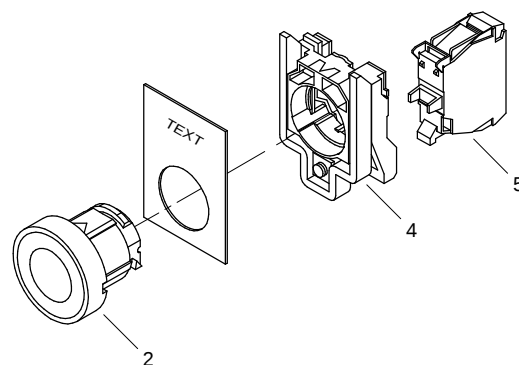
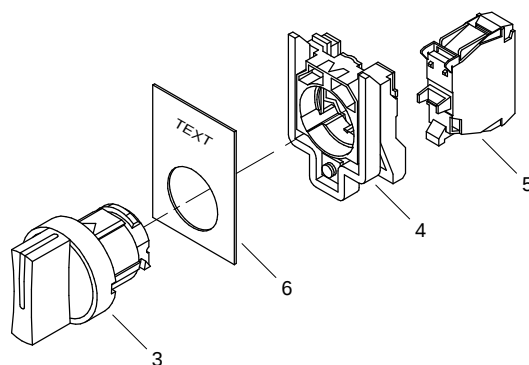
CIRCUIT BREAKER



REF.	DESCRIPTION	HOULE	POTTER & BRUMFIELD
1	3 AMPS CIRCUIT BREAKER	2005-2901-010	W58-XB1A4A-3

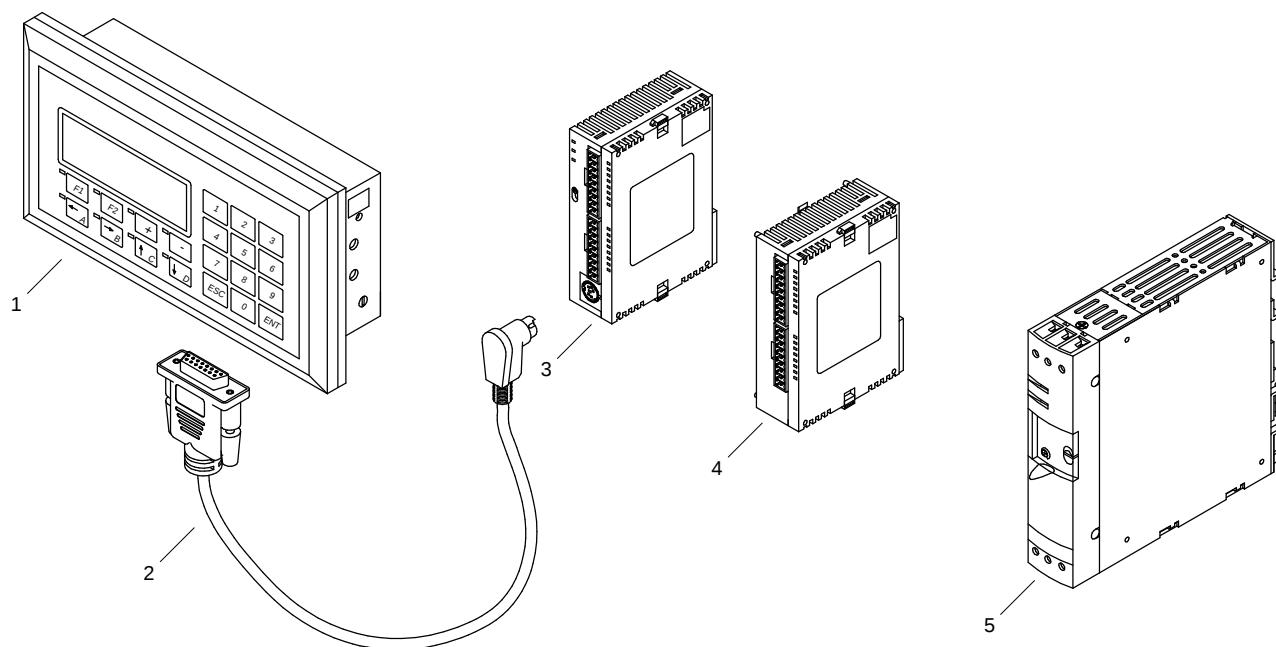


REF.	DESCRIPTION	HOULE	ENTRELEC
1	CAM SELECTOR (1 - 2 - 3 - 4 - 1+2 - 3+4)	-----	VY20-240
	CAM SELECTOR (1 - 2 - 3 - 1+2+3)	-----	VY20-245
	CAM SELECTOR (0 - 1 - 2 - 3 - 4 - 5 - 1+2 - 3+4)	-----	VY20-251
	CAM SELECTOR (0 - 1 - 2 - 3 - 1+2 - 2+3)	-----	VY20-252
	CAM SELECTOR (1 - 2 - 3 - 4 - 1+2 - 2+3)	-----	VY20-255
	CAM SELECTOR (5+6 - 7+8)	-----	VY20-256
	CAM SELECTOR (0 - 1 - 2 - 3 - 4 - 1+2 - 2+3 - 3+4)	-----	VY20-257

MUSHROOM HEAD BUTTON

PUSH BUTTON

MULTI-POSITION SELECTOR


REF.	DESCRIPTION	HOULE	TELEMECANIQUE
1	MUSHROOM HEAD BUTTON	2005-2905-650	ZB4B5844
2	PUSH BUTTON (GREEN) PUSH BUTTON (RED)	----- -----	ZB4BA3 ZB4BA4
3	3-POSITION SELECTOR	2005-2905-620	ZB4BD3
4	MOUNTING ADAPTOR	2005-2905-660	ZB4BZ009
5	SINGLE CONTACT BLOCK N/O - GREEN TAB SINGLE CONTACT BLOCK N/C - RED TAB	2005-2905-630 2005-2905-640	ZBE101 ZBE102
6	I.D. PLATE - SPECIFY TEXT	-----	PLQ-2101
7	I.D. PLATE - ARRÊT D'URGENCE I.D. PLATE - EMERGENCY STOP	----- -----	ZB2BY9130 ZB2BY9330

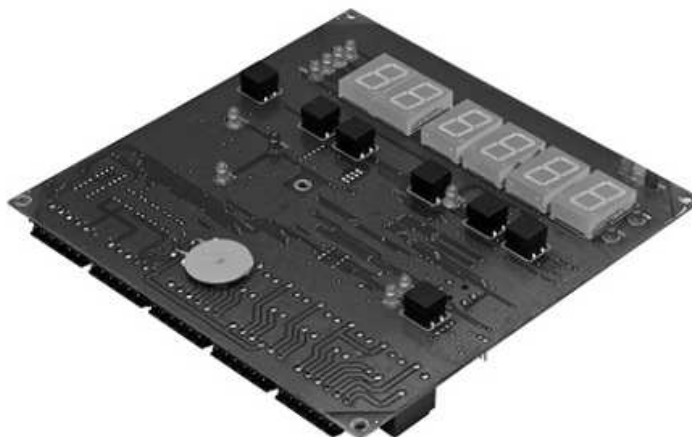
AUTOMAT SYSTEM



REF.	DESCRIPTION	HOULE	OMRON	TELEMECAN.
1	KEYBOARD WITH LCD SCREEN *** FOR HYDRAULIC SYSTEM ***	Obsolete	ATM-40-H	-----
	KEYBOARD WITH LCD SCREEN *** FOR MASTER / SLAVE SYSTEM ***	Obsolete	ATM-40-MS	-----
2	LINK CABLE - 1.5M - FPO/2 @ ATM	Obsolete	AFC-15215-US	-----
3	AUTOMAT - 8 IN (DC) / 8 OUT (RELAY) *** FOR HYDRAULIC SYSTEM ***	Obsolete	FPO-C14RS-H	-----
	AUTOMAT - 8 IN (DC) / 8 OUT (RELAY) *** FOR MASTER / SLAVE SYSTEM ***	Obsolete	FPO-C14RS-MS	-----
4	EXPENSION MODULE - 4 IN (DC) / 4 OUT (RELAY)	Obsolete	FPO-E8RS	-----
	EXPENSION MODULE - 8 IN (DC) / 8 OUT (RELAY)	Obsolete	FPO-E16RS	-----
5	POWER SUPPLY PHASEO - 120 VAC @ 24 VDC	Obsolete	-----	ABL7RE2403

Free Stall Cleaner Model
2005-2905-820

Crusher Model
2019-2901-020

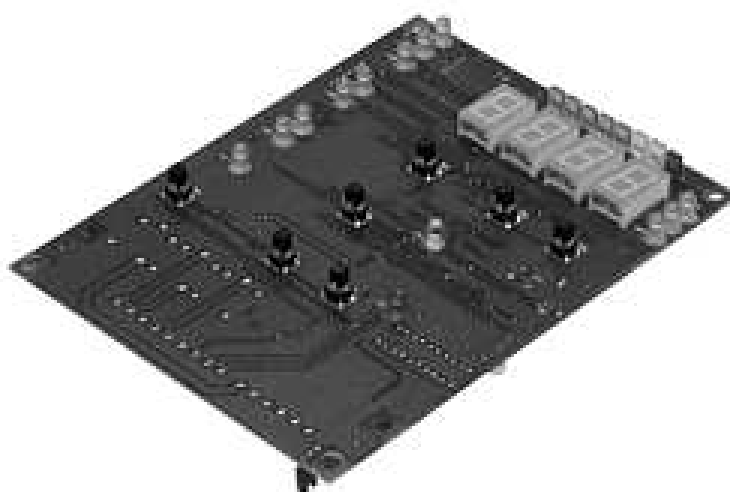


Free Stall Cleaner Model
2005-2905-860
(300/600 volt)
Crusher Model
2005-2905-870 (300/600 volt)



Free Stall Cleaner Model
2005-2905-830
(0/300 volt)

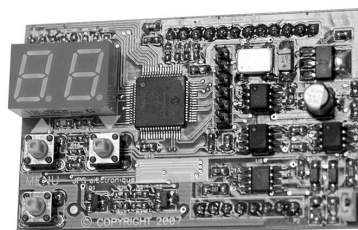




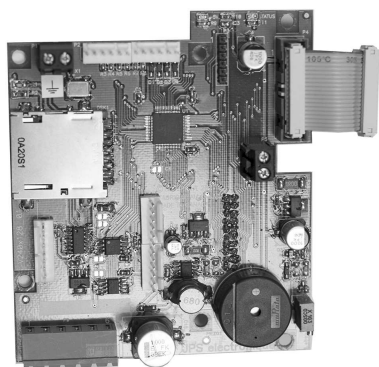
INTERFACE
2005-2901-710



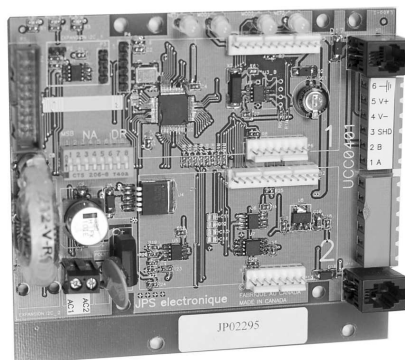
RS-485
2005-2901-690



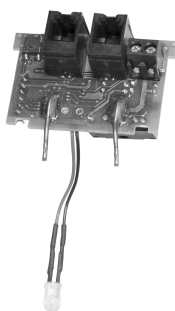
VIDEO CARD
2005-2901-740



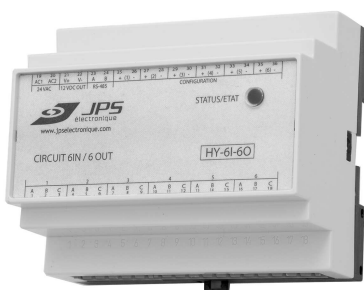
MOTHERBOARD
2005-2901-760



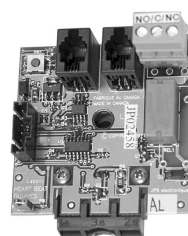
INTELLIGENT SWITCH
2005-2901-660



I/O MODULE
2005-2901-730



ALARM SWITCH
2005-2912-370



UCC-450

2005-2901-530 (Control panel)
2005-4703-990 (Sticker)

For all Max Access control panel



UCC-100 Standard Model

2005-2901-540

- For Cable Drive Unit
- Fit R-300

- 7/8" Chain Drive Unit or Pintle Chain before January 2017

UCC-100 Encoder Model

2005-2901-750

- 13mm Chain Drive Unit

- 7/8" Chain Drive Unit or Pintle Chain after January 2017



FIO-152

2005-2901-560

- For model Cable Drive Unit

- 7/8" Chain Drive Unit or Pintle Chain before January 2017

FIO-252

2005-2901-570

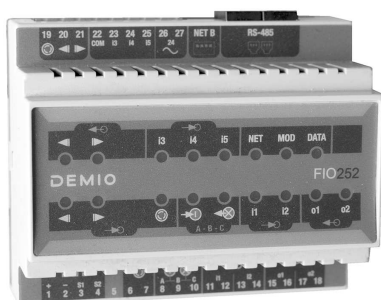
- For model 13mm Chain Drive Unit

- 7/8" Chain Drive Unit or Pintle Chain after January 2017

FIO-452

2005-2902-410

- Fit R-300



PWR-030

2005-2901-550

Load sensor for all types of IVR control panel

