

Power A Mark II™

PLUG'N PLAY CONNECTIVITY MAKES IT EASY TO INSTALL





POWERA CONTROL

- Single Engine with Trim – 42010 R
- Single Engine without Trim – 42009 G
- Dual Engine with Trim – 42012 R
- Dual Engine without Trim – 42011 T
  - Control station functions:
  - Station Select
  - Warm up
  - Docking
  - Engine synchronization
  - High idle
- Ergonomic design
- Adjustable friction
- Backlit control panel

PROGRAMMING MODULE - 42017 F

- LCD Liquid crystal display
- Menu driven programming
- Diagnostic data
- IP 65
- Dimensions: 8" x 4.3"

MECHANICAL SHIFT AND THROTTLE M-ACTUATOR - 42027 J

- Electromechanical actuator for all mechanically controlled engine functions i.e. throttle or shift
- One actuator required per function per engine
- Connect to engines using 33C/Universal style mechanical control cables i.e. MachZero and C8
- IP 65 protected
- Dimensions: 4" x 12"

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CABLES FOR MECHANICAL SHIFT AND THROTTLE ACTUATORS

Main Power Cable 1 per battery		Extension Cable Power 1 per M-Actuator		CAN Cable 3 per single engine 5 per twin engine	
Length	P. No.	Length	P. No.	Length	P. No.
3.3'	42052H	3.3'	42056S	3.3'	73639T
9.8'	42053K	9.8'	42057U	9.8'	73680P
22.9'	42054M	22.9'	42058W	22.9'	73681S
32.8'	42055P	32.8'	42059Y	32.8'	70021K
				49.2'	71031N
				65.6'	71032R

NETWORK TERMINATOR: 1 per system P.No. 42028L





POWER DISTRIBUTION MODULE - 42026 G

- Automatic Power Selector
- Rectifier (dual)
- IP 65
- Dimensions: 8.5" x 4.7"

OR →



ELECTRONIC SHIFT UNIT – 42023 A

- Controls up to 2 shift functions with solenoids. Required for use with direct connection to electronic shift unit on the transmission.
- IP 65 Protected
- Dimensions: 8.3" x 4.7"



ELECTRONIC THROTTLE V-THROTTLE - 42018 H

- For 0-5V engine interface.

SAEJ-THROTTLE - Customized

- Digital signal to CAN SAEJ1939 or NMEA 2000 engine interface, on request, according to customer's specifications
- IP 65 protected
- Dimensions: 8" x 4.3"

CABLES FOR ELECTRONIC SHIFT AND THROTTLE ACTUATORS:

Main Power Cable 1 per battery		Universal V Throttle Cable 1 per engine		SHIFT Cable 1 per solenoid shift function		CAN Cable 3 per single engine 5 per twin engine	
Length	P. No.	Length	P. No.	Length	P. No.	Length	P. No.
3.3'	42052H	6.6'	42029N	3.3"	42060G	3.3'	73639T
9.8'	42053K	13.1'	42030X	9.8"	42061J	9.8'	73680P
22.9'	42054M			22.9"	42062L	22.9'	73681S
32.8'	42055P			32.8"	42063N	32.8'	70021K
						49.2'	71031N
						65.6'	71032R

NETWORK TERMINATOR: 1 per system P.No. 42028L



Power A Mark II™ ORDER GUIDE:

ENGINE	NO. OF ENGINES	COMPONENTS	P. No.	Q.TY
PwA II-EE **Electronic throttle** **Electric shift**	**Single Engine**	Single control with trim (or no trim)	42010R (42009G)	1
		Control Unit	42017F	1
		E-Throttle unit	Chart A	1
		E-Shift unit	42023A	1
		Throttle cable	Chart B	1
		Shift cable	Chart C	1
		Power supply cable (general)	Chart C	1
		CAN cable	Chart C	3
		Network terminators	42028L	1
		Power Unit (optional for second battery)	42026G	1
		Power cable extension (optional for second battery)	Chart C	1
		Power supply cable (optional for second battery)	Chart C	1
	Two Engines	Dual control with trim (or no trim)	42012V (42011T)	1
		Control Unit	42017F	1
		E-Throttle unit	Chart A	1
		E-Shift unit	42023A	1
		Throttle cable	Chart B	2
		Shift cable	Chart C	2
		Power supply cable (general)	Chart C	1
		CAN cable	Chart C	3
		Network terminators	42028L	1
		Power Unit (optional for second battery)	42026G	1
		Power cable extension (optional for second battery)	Chart C	1
		Power supply cable (optional for second battery)	Chart C	1
PwA II-EM **Electronic throttle** **Mechanical shift**	**Single Engine**	Single control with trim (or no trim)	42010R (42009G)	1
		Control Unit	42017F	1
		E-Throttle unit	Chart A	1
		Mechanical actuator	42027J	1
		Throttle cable	Chart B	1
		CAN cable	Chart C	3
		Power supply cable (general)	Chart C	1
		Network terminators	42028L	1
		Power Unit (optional for second battery)	42026G	1
		Power cable extension (optional for second battery)	Chart C	1
		Power supply cable (optional for second battery)	Chart C	1
	Two Engines	Dual control with trim (or no trim)	42012V (42011T)	1
		Control Unit	42017F	1
		E-Throttle unit	Chart A	1
		Mechanical actuator	42027J	2
		Throttle cable	Chart B	2
		CAN cable	Chart C	4
		Power supply cable (general)	Chart C	1
		Network terminators	42028L	1
		Power Unit	42026G	1
		Power extension cable	Chart C	2
		Power supply cable (optional for second battery)	Chart C	1
For each additional station add:				
Single Engine:		**Single lever control station with trim (or no trim)**	**42010R (42009G)**	**1**
		CAN cable	**Chart C**	**1**
Two Engines:		**Dual lever control station with trim (or no trim)**	**42012V (42011T)**	**1**
		CAN cable	**Chart C**	**1**



ENGINE	NO. OF ENGINES	COMPONENTS	P. No.	Q.TY
PwA II-ME **Mechanical throttle** **Electronic shift**	**Single Engine**	Single control with trim (or no trim)	42010R (42009G)	1
		Control Unit	42017F	1
		E-Throttle unit	42023A	1
		Mechanical actuator	42027J	1
		Throttle cable	Chart C	1
		CAN cable	Chart C	3
		Power supply cable (general)	Chart C	1
		Network terminators	42028L	1
		Power Unit (optional for second battery)	42026G	1
		Power cable extension (optional for second battery)	Chart C	2
		Power supply cable (optional for second battery)	Chart C	1
	Two Engines	Dual control with trim (or no trim)	42012V (42011T)	1
		Control Unit	42017F	1
		E-Throttle unit	42023A	1
		Mechanical actuator	42027J	2
		Throttle cable	Chart C	2
		CAN cable	Chart C	4
		Power supply cable (general)	Chart C	1
		Network terminators	42028L	1
		Power Unit	42026G	1
		Power extension cable	Chart C	3
		Power supply cable (optional for second battery)	Chart C	1
PwA II-MM **Mechanical throttle** **Mechanical shift**	**Single Engine**	Single control with trim (or no trim)	42010R (42009G)	1
		Control Unit	42017F	1
		Mechanical actuator	42027J	2
		CAN cable	Chart C	3
		Power supply cable (general)	Chart C	1
		Network terminators	42028L	1
		Power Unit	42026G	1
		Power extension cable	Chart C	2
		Power supply cable (optional for second battery)	Chart C	1
	Two Engines	Dual control with trim (or no trim)	42012V (42011T)	1
		Control Unit	42017F	1
		Mechanical actuator	42027J	4
		CAN cable	Chart C	5
		Power supply cable (general)	Chart C	1
		Network terminators	42028L	1
		Power Unit	42026G	1
		Power extension cable	Chart C	4
		Power supply cable (optional for second battery)	Chart C	1
For each additional station add:				
Single Engine:		**Single lever control station with trim (or no trim)**	**42010R (42009G)**	**1**
		CAN cable	**Chart C**	**1**
Two Engines:		**Dual lever control station with trim (or no trim)**	**42012V (42011T)**	**1**
		CAN cable	**Chart C**	**1**