

MINI DOOR FOLDING DOOR CONTROL BOARD

-When the power is on first time MINI DOOR control board moving P.16 learning speed until reach open limit switch, displaying **OL** in this process. When the door is wide open **OP** is displayed.. Pressing **▲** button 2 second to learning process, when starting learning process displaying **OL** on screen. When the door reach close limit switch, displaying door width as a pulse. After learning process is completed, the door is ready to use.

- When the power off, if battery is connected, the door is opened exactly. When the power off **bAt** is screened and after a little time the door starts to open. When the door is opened **bAt** is not screened. Only the display point shows microprocessor working and it continues to flash. If pressure is detected on the battery when opening three times, opening is canceled and **E.1** is screened on display. Control board working on sleep mode.

- When pressing **✕** button 3 second displaying **rEv** on screen and the motor power is cut and mechanic settings that is required are done easily. In this situation control signals not using and motor power is off. If pressing **✕** button 2 second exit the revision mode.

- Pressing **▼** button open and close test can be done. This button works the door as pump signal is exist.. In order to test the operation of the card without connecting PUMP signal.

-When the door is wide open **OL** is displayed and open holding force is applied in P.07 parameter.When the door opening on high speed **OP** and on low speed **OP** displaying. If sensing pressure when opening **E.1** error message displaying on screen and door closing little distance. Reach the number of preesure attempts in displaying error message **E.5** on screen. After waiting 1 minute and turn normal working mode. Press **✕** button to cancel waiting.

- When the door is wide close **CL** is displayed and close holding force is applied in P.15 parameter. When the door closing on high speed **CL** and on low speed **CL** displaying. If sensing pressure when closing **E.2** error message displaying on screen and door opening little distance.

- **↵** button pressing 2 second to enter menu. Switching parameters using with **▲** and **▼** buttons. To set parameter actived with **↵** button and when changing value exit with **↵** button. If pressing **✕** buttons in paramater screen changing not saved. If pressing **↵** button on ESC screen all parameter changing saved and exit to menu.

MINI DOOR CONNECTION TERMINALS AND INTENDED USES

Motor Connection Terminal	MOTOR	Motor connection terminal
Power Supply Connection Terminal	20 VAC	Connection terminal for power supply (35VA 20VAC)
External Battery Connection Terminal	- BAT +	External battery connection (-) terminal
		External battery connection (+) terminal
Encoder Connection Terminal	+5V	(+5V) terminal for encoder supply
	EN	Encoder pulse terminal
	GND	(-5V) terminal for encoder supply
Control Signals Connection Terminal	CL	Close limit switch terminal
	OL	Open limit switch terminal
	COM	Limit switches common terminal
	PUMP	Pump signal terminal(48-190 VDC or 220 VAC)

	Value	Default Value	Description
P.00	30-90	70	Decelerating point when opening (% value of door width)
P.01	10-50	15	Pressure sensing time when opening (1-5 second)
P.02	5-20	10	Open low speed
P.03	20-70	30	Open high speed
P.04	1-10	5	Accelerating ramp when opening
P.05	1-10	10	Decelerating ramp when opening
P.06	5-20	10	Take-off speed when opening
P.07	1-15	5	Open holding force
P.08	30-90	70	Decelerating point when closing (% value of door width)
P.09	10-50	15	Pressure sensing time when closing (1-5 second)
P.10	5-20	10	Close low speed
P.11	20-70	25	Close high speed
P.12	1-10	5	Accelerating ramp when closing
P.13	1-10	10	Decelerating ramp when closing
P.14	5-20	10	Take-off speed when closing
P.15	1-15	5	Close holding force
P.16	10-50	10	Learning speed
P.17	0-10	0	DEMO Mode (Non-zero values specifies the time in seconds)
P.18	0-1	0	Reserve
P.19	0-1	1	Voice alert
P.20	5-10	5	The number of pressure attempts
P.21	0-1	0	Set default settings
ESC			Exit

Motion Profiles

