

# Hardwired: Low Voltage Controls – IQ/MLC™

## IQ/MLC Component Specifications

The IQ/MLC™ System consists of:

### IQ/MLC Four Motor Logic Controller:

Low voltage four (4) motor controller for standard motors with local and master switch control capability. Dip switch assign motor switch assignments to form groups. Any of the four local switches can control any combination of the four motors connected to the IQ/MLC. Provides full up, full down and three intermediate and custom stop positions at the touch of a button for assured alignment. Additional IQ/MLCs can be wired in parallel or series. 17 VDC, 0.1A max per switch contact. Input: 120 VAC, 0.5A max; 240 VAC 0.25A max. Output: 120 VAC, 3.8A max; 240 VAC, 1.9A max.

**P/N: 120V: IMLC 120V ST SP; 230V: IMLC 230V ST SP.**

### IQ/MLC Switch:

3-button single low voltage intelligent switch for local or master control provides full up, full down and three intermediate and custom stop positions at the touch of a button. Allows the user to calibrate the IQ/MLC and select between uniform and normal modes. Also available in 6-button zone double switch. (12V, 100 mA, max).

**P/N: 3-Button: ESWX IQ03 \_ \_ \_ \_ ;**

**6-Button: ESWX IQ06 \_ \_ \_ \_ .**

### Optional Remote Control:

Full Up/Down operation in Normal Mode, or intermediate stop positions in the UniformMode™.

### Accessory Controls (ACC):

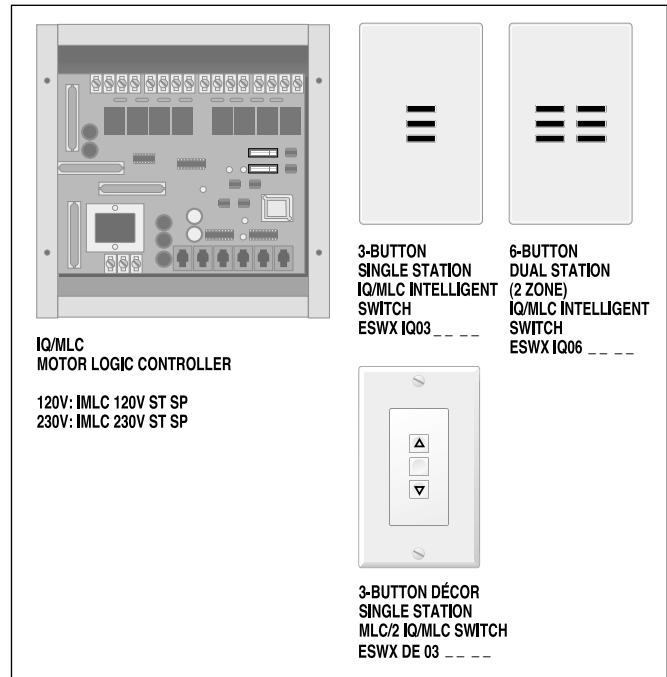
Optional external inputs for security, life-safety, audio/visual and other applications. For example, Sun Activated Sensors, Seven-Day Timers or MechoShade's AAC SolarTrac™ computerized green-building management system.

**IQ/MLC Accessory Interface:** Interface for connecting SACs and Timers. 120V: ESSA IQ115 STSP, 230V: ESSA IQ230 STSP

**Modular Cable:** 26 gauge, 6-conductor flat modular cable (stranded wire) available as uncrimped rolls or pre-crimped lengths.

Un-Crimped, 500 foot (16.6m) roll:	ESMC 0302 VL BE
Un-Crimped, 1,000 foot (333.3m) roll:	ESMC 0340 VL GR
Pre-Crimped, 2 feet (.6m) long:	ESMC 0341 VL BE
Pre-Crimped, 7 feet (2.3m) long:	ESMC 0278 VL BE
Pre-Crimped, 25 feet (8.3m) long:	ESMC 0313 VL BE
Pre-Crimped, 50 feet (16.6m) long:	ESMC 0343 VL BE

**Modular T Adapter:** Two 6-position / 6-contact female modular jacks with UTP cable. P/N: MODU 6POS 6C 2F



**Modular Y Adapter:** Two 6-position / 6-contact female modular jacks with UTP cable. P/N: YADP 6POS 6C 2F

**Modular Cable Coupler:** 6-position, one to one wiring pattern. P/N: COUP 5050 AM P1

**Modular Plug:** 6-position, 6-contact RJ-12 plug. P/N: RJ12 6CON 6P PL

**Cable Tester:** Siemon STM-8. P/N: ECAT SIEM STM8

**Crimping Tool:** Modular plugs are UL approved when terminated using this tool and procedures outlined in IS 408-9767. P/N: ETCO 1652 O8 UL

**Sub Group Controller:** Six 6-position / 6-contact female modular jacks for connecting up to 4 I•CON controllers. P/N: IQML SGC6 RJ BD

**IQ/MLC RS232 & 485:** RS485 protocol with a PC requires a 485 PC card or an IQ/MLC RS232 or 485 Adapter. Up to 5 zones per interface adapter, up to 12 IQ/MLC units per zone. Allows a total of 60 control units per interface.

RS232: P/N: EMLC 0232 RS MO (PC to 1st interface)  
RS485: P/N: EMLC 0485 RS MO (interface 2 and up)

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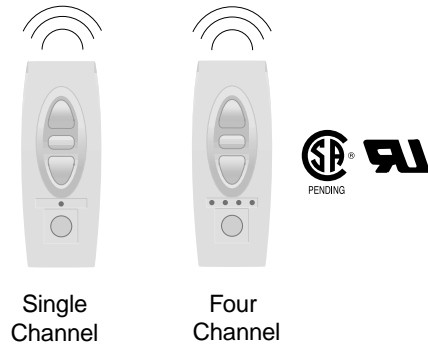
# ElectroShade® Optional Low Voltage Control Accessories

## Remote Control (Specify IR or RF)

MechoShade® offers a Remote Control line that provides motor control from a distance through the use of a hand held radio transmitter. Remote Controls are available as one, two, three or four motor controllers.

*IQ/MLC™ utilizes IR remote only.*

P/N: Single Channel: EIRC 1014 RA TR  
Four Channel: EIRC 1015 RA TR



## 24-Hour Digital Timer

MechoShade offers a compact dual direction digital timer for carefree automatic control for ElectroShades. The 24-Hour Timer is easy to install and simple to program and will raise and lower your shades at different times of the day. Protecting the interior from solar impact.

*IQ/MLC requires the SAC/TIMER Interface.*

P/N: EDTI 0351 24 WH  
EDTI 0352 24 CW

**IQ/MLC SAC/Timer Interface:**

120V P/N: ESSA IQ115 STSP  
230V P/N: ESSA IQ230 STSP



## Solar Activated Controllers (K-Lux)

MechoShade offers a line of Solar Activated Controllers (SACs) with sensors that continually monitor the solar brightness, triggering the control unit to extend or retract the shade. SACs are available for use with a single motor 3-motor Individual-Group Controllers (IGC), four motor IQ/MLC's and MLC four motor controllers.

*IQ/MLC requires the SAC/TIMER Interface.*

**SAC with Photo Cell, Flush Mount, Single Motor:**

P/N: ESSA 0901 ST WH • ESSA 0931 ST CW

**SAC with Photo Cell and Switch:**

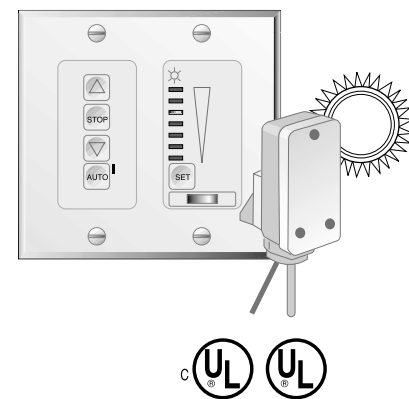
P/N: ESSA 0897 ST WH • ESSA 0927 ST CW

**IQ/MLC SAC/Timer Interface:**

120V P/N: ESSA IQ115 STSP  
230V P/N: ESSA IQ230 STSP

**Photo Cell Only:**

P/N: ESPC 0313 PL WH



Continued 

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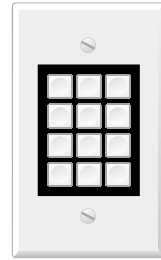
# ElectroShade® Optional Low Voltage Control Accessories

## Digital Key Pad

The “Keyless” programmable indoor security switch. Prevent unwarranted operation of shades with your personal code number through the Digital Key Pad. The four digit private entry code can be changed by the user to ensure limited access, or protection.

NOTE: Compatible with MLC™ and I•CON™ standard motor control systems. IQ/MLC™ and I•CON Intelligent Motor Control System for full up/down operation only.

P/N: ESDX 0739 IN WH



## Key Switches

MechoShade offers a line of high-security Indoor Key switches.

They are available as:


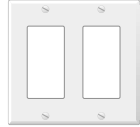







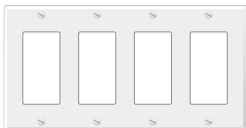
- Light duty & heavy duty designs
- White or ivory cover plates
- Maintained or momentary switches

NOTE: Compatible with MLC and I•CON standard motor control systems. Momentary Switches compatible with Intelligent Motor Control System for full up/down operation only.

Maintained P/N: ESWX RYMA PS CW

Momentary P/N: ESWX RYMO PS CW



Miscellaneous Switches		Décor & Paddle Switchplates		IQ/MLC Standard Switches			
<b>Line or Low Voltage</b>							
		<b>1 GANG:</b> EDWP 0123 ST WH	<b>2 GANG:</b> EDWP 0128 ST WH	<b>3-BUTTON SINGLE STATION IQ/MLC STANDARD SWITCHES</b> ESWX IQ03 _ _ _	<b>6-BUTTON DUAL STATION IQ/MLC STANDARD SWITCHES FOR A SINGLE GANG BOX</b> ESWX IQ06 _ _ _	<b>3-BUTTON DÉCOR SINGLE STATION IQ/MLC SWITCH</b> ESWX DE03 _ _ _	<b>6-BUTTON DÉCOR DUAL STATION IQ/MLC SWITCH</b> ESWX DE06 _ _ _
<b>MAINTAINED</b> ESWX 0728 ST WH ESWX 0729 ST CW	<b>MAINTAINED</b> ESWX 0688 PS WH ESWX 1441 PS CW						
<b>MOMENTARY</b> ESWX 0735 ST WH ESWX 0734 ST CW	<b>MOMENTARY</b> ESWX 0689 PS WH ESWX 1551 PS CW	<b>3 GANG:</b> EDWP 0133 ST WH					
(SWITCHPLATE SOLD SE ARATELY)	(SWITCHPLATE INCLUDED)						
		<b>4 GANG:</b> EDWP 0138 ST WH					

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