



# TRI-TRONICS®



## Waterproof Elevator Door Controls

- Durable
- Robust
- Epoxy Encapsulated
- Environmentally Sound
- Shock Proof



(800) 237-0946 • [elevatoredge.com](http://elevatoredge.com) • [info@ttco.com](mailto:info@ttco.com)

# SPECIFICATIONS



LIGHT BEAM AND RECEIVER ARRAYS	POWER SUPPLIES
<p><b>Size:</b> 1.57"W x 81.125"L x .75"D (39.7mmW x 2061mmL x 19mmD)</p> <p><b>Cable Length:</b> 18 feet (5486mm), connectorized at both ends</p> <p><b>Distance between bottom of receiver housing and lowest detector:</b> 2 inches (50.8mm)</p> <p><b>Distance between bottom of receiver housing and highest detector:</b> 64 inches (1625mm)</p> <p><b>Range:</b> Up to 12 feet (3658mm)</p> <p><b>Number of light beams:</b> 64 (2 per detector operating in a redundant mode) Rated at 100,000 lux</p> <p><b>Operating Voltage Range of Arrays:</b> 12-30 VDC</p> <p><b>Maximum allowable installed misalignment:</b> ±20 degrees @ 3 feet</p> <p><b>Response Time:</b> 50 milliseconds nominal, 75 milliseconds max.</p> <p><b>Maximum Current Draw:</b> 130mA total of both arrays</p> <p><b>Ratings:</b> NEMA 1 for Standard Leading Edge; NEMA 4, IP67 for Waterproof Arrays</p> <p><b>Diagnostic Indicators:</b></p> <p><b>Receiver Array Indicators:</b>                      TOP RED LED: DSA™ Indicator (Dynamic Sensitivity Adjustment)                      LOWER RED LED: Output Status Indicator</p> <p><b>Light Beam Array:</b>                      RED LED: Flash Rate Indicator. Flash Rate denotes Operational Status.</p> <p><b>Exceeds ADA American Disability Requirements</b></p> <p style="text-align: right;">CE c UL us</p>	<p><b>Size:</b> Non-Metallic, 3.25"H x 9.2"W x 6"D (82.5mmH x 233.1mmW x 152mmD)                      Non-Metallic Waterproof, NEMA 4, 3"H x 9.375"W x 5"D</p> <p><b>Voltage Requirements:</b> 120 or 240 VAC Power Supply</p> <p><b>Power Consumption:</b> 5 VA maximum</p> <p><b>Plug-In Output Relay:</b>                      MASTER CONTROL RELAY... SPDT action with contacts rated up to 10 A @ 250 VAC or 30 VDC. Relay de-energizes when obstruction is detected.</p> <p><b>Models Equipped with Nudge-1 PC Assembly:</b>  <b>Accessory Relay Switch Selectable Options:</b>  <b>Option 1:</b> Functions as a Nudging Relay that energizes after Adjustable Delay.  <b>Option 2:</b> Functions as a Redundant Relay...i.e., Master Control Relay and Accessory Relay operate simultaneously.  <b>Buzzer Options:</b> ON-OFF Switch Selectable... energizes after Adjustable Delay.</p> <p><b>Diagnostic Indicators:</b>                      Main output relay status indicator                      Nudge relay status indicator on Nudge Board                      DC power ON indicator</p> <p><b>Nudge Time Out:</b> Adjustable from 5 to 45 seconds</p> <p><b>Power Supply Enclosures:</b> NEMA 1 for Non-Metallic                      NEMA 4, IP67 Non-Metallic for "W" Series</p> <p><b>Operating Temperature Range:</b> -40F to +158F (-40C to 70C)</p> <p><b>Operating Humidity Range:</b> Up to 95% relative humidity at 104F (40C)</p>

Complete Standard Systems	Power Supply Case		Nudging		Side Parting	Center Parting
	PSC-4 / PSC-4N	PSC-5W / PSC-5NW	Yes Nudge*	No		
EDGE-4	X			X	X	X
EDGE-4VS (Vandal Resistant/Fast Mount)	X			X	X	
EDGE-4VC (Vandal Resistant/Fast Mount)	X			X		X
EDGE-4N	X		X		X	X
EDGE-4NVS (Vandal Resistant/Fast Mount)	X		X		X	
EDGE-4NVC (Vandal Resistant/Fast Mount)	X		X			X
<b>Complete Waterproof Systems</b>						
EDGE-5W		X		X	X	X
EDGE-5WVS (Vandal Resistant/Fast Mount)		X		X	X	
EDGE-5WVC (Vandal Resistant/Fast Mount)		X		X		X
EDGE-5NW		X	X		X	X
EDGE-5NWVS (Vandal Resistant/Fast Mount)		X	X		X	
EDGE-5NWVC (Vandal Resistant/Fast Mount)		X	X			X
<b>Leading Edge Arrays Less-Power Supply</b> <i>Note: Accessory Connector Not Included</i>						
EDGE-6					X	X
EDGE-6VS (Vandal Resistant)					X	
EDGE-6VC (Vandal Resistant)						X
EDGE-6W (Waterproof)					X	X
EDGE-6WVS (Waterproof/Vandal Resistant/Fast Mount)					X	
EDGE-6WVC (Waterproof/Vandal Resistant/Fast Mount)						X
<b>Accessory Connectors</b> Wire direct to Door Operator or existing power supply for EDGE-6						
ECI-1	Leading Edge Array Interface Cable NPN					
ECI-3	Leading Edge Array Interface Cable NPN, use with GAL MOVFR					
ECI-4	Leading Edge Array Interface Cable NPN Sinking/PNP Sourcing, N.C. Opto Isolated					
ECI-5	Leading Edge Array Interface Cable NPN Sinking/PNP Sourcing, N.O. Opto Isolated					
All standard models include the EGAC-4 kit, which consists of mounting brackets and hardware. All VS/VC models include the EGAC-6 kit. * The NUDGE-1 PC Assembly can be field installed on any model power supply.						

**DANGER**

**WARNING**

**DANGER**

TRI-TRONICS® elevator door control products are designed for elevator door protection only. Our edges are not designed to be used in applications such as top of elevator cab protection, or in residential elevators in conjunction with scissor gates. Additionally, they are not designed to be used as machine safety light curtains commonly found in industrial robotic areas, or around machines that could pinch, grab, or cut person or persons in close proximity.