

Idec ASLW212620S

IDEC ASLW212620S Illuminated 22mm Selector Switch User Manual

1. PRODUCT OVERVIEW

This manual provides essential information for the safe and effective installation, operation, and maintenance of the IDEC ASLW212620S Illuminated 22mm Selector Switch. This device is designed for industrial control applications, offering a clear visual indication of its operational state through illumination.



Figure 1: IDEC ASLW212620S Illuminated 22mm Selector Switch. This image displays the complete assembly of the selector switch, including the illuminated actuator, mounting base, and contact blocks. The blue translucent handle indicates its illuminated feature.

Key Features:

- 22mm mounting diameter for standard panel cutouts.
- Illuminated actuator for clear status indication.
- Two-position selector switch functionality.
- Panel mount design.
- IP54 International Protection Rating, offering protection against dust and splashing water.

2. SAFETY INFORMATION

Read and understand all instructions before installing, operating, or maintaining this product. Failure to follow these instructions may result in serious injury or property damage.

- **Electrical Hazard:** Ensure all power is disconnected before performing any installation or

maintenance. Only qualified personnel should perform electrical work.

- **Proper Use:** Use this switch only for its intended purpose in industrial control circuits. Do not exceed specified voltage and current ratings.
- **Environmental Conditions:** Do not expose the switch to conditions outside its specified operating temperature, humidity, or IP rating.
- **Inspection:** Regularly inspect the switch for any signs of damage, wear, or loose connections. Replace damaged components immediately.

3. SETUP AND INSTALLATION

Proper installation is crucial for the reliable operation of the IDEC ASLW212620S selector switch.

3.1 Panel Mounting

1. Ensure the control panel has a 22mm diameter cutout for the switch.
2. Insert the switch actuator assembly through the front of the panel cutout.
3. Secure the switch to the panel using the provided mounting nut and washer on the rear side of the panel. Tighten securely but do not overtighten.
4. Attach the contact block(s) and lamp holder (if separate) to the rear of the switch assembly, ensuring they are correctly oriented and locked into place.

3.2 Wiring

Refer to the wiring diagram provided with your specific contact block and lamp holder for detailed connection instructions. General guidelines are as follows:

- Ensure all power is off before wiring.
- Connect control circuit wires to the appropriate terminals on the contact blocks.
- Connect power for the illumination lamp to the lamp holder terminals, observing correct polarity if applicable.
- Verify all connections are secure and free from shorts.

4. OPERATING INSTRUCTIONS

The IDEC ASLW212620S is a two-position selector switch. Its operation is straightforward:

- **Position Selection:** Rotate the switch actuator to select between the two available positions. Each position corresponds to a specific state of the connected control circuit.
- **Illumination:** The integrated lamp will illuminate when power is supplied to its terminals, providing a visual indication of the switch's status or the circuit's condition, depending on how it is wired.

5. MAINTENANCE

Regular maintenance helps ensure the longevity and reliable performance of your selector switch.

- **Cleaning:** Clean the exterior of the switch with a soft, damp cloth. Do not use abrasive cleaners or solvents, as these can damage the plastic components or markings.
- **Inspection:** Periodically check for loose mounting nuts, damaged wiring, or signs of corrosion on terminals. Ensure the actuator rotates smoothly between positions.

- **Lamp Replacement:** If the illumination lamp fails, replace it with a lamp of the same voltage and type specified by IDEC for this model. Ensure power is disconnected before replacing the lamp.

6. TROUBLESHOOTING

If you encounter issues with your IDEC ASLW212620S switch, consider the following common problems and solutions:

- **Switch Not Actuating Circuit:**
 - Check wiring connections to the contact blocks.
 - Verify the contact block is correctly attached and functioning.
 - Ensure the switch actuator is fully rotated to the desired position.
- **Illumination Not Working:**
 - Check power supply to the lamp holder.
 - Verify wiring connections to the lamp holder.
 - Inspect the lamp for damage or burnout; replace if necessary.
 - Ensure the lamp holder is correctly installed.
- **Stiff or Loose Actuator:**
 - Check for foreign objects obstructing movement.
 - Ensure the mounting nut is not overtightened or too loose.
 - If the issue persists, the switch mechanism may be damaged and require replacement.

7. SPECIFICATIONS

Specification	Detail
Brand	Idec
Model	ASLW212620S
Manufacturer	IDEC
Mounting Type	Panel Mount
Actuator Type	Selector Switch
Number of Positions	2
International Protection Rating	IP54
First Available Date	December 4, 2020


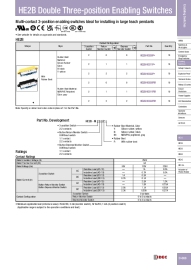



8. WARRANTY AND SUPPORT

IDEC products are manufactured to high-quality standards. For specific warranty information, please refer to the documentation provided with your purchase or visit the official IDEC website. For technical support or further assistance, please contact IDEC customer service.

IDEC Corporation Contact Information:

(Please refer to the official IDEC website for the most current contact details and regional support information.)

Related Documents - ASLW212620S

	<p>IDEC YW Series Switches & Pilot Lights - Comprehensive Product Catalog</p> <p>Explore the IDEC YW Series of Ø22 and Ø30 switches and pilot lights, including emergency stop switches, pushbuttons, selector switches, key selector switches, and pilot lights. View specifications, part numbers, dimensions, and accessories.</p>
	<p>IDEC Enabling Switches: HE2B, HE3B, HE5B, HE6B, HE2G, HE1G-L Series - Product Catalog & Specifications</p> <p>Comprehensive guide to IDEC's HE series 3-position enabling switches, including HE2B, HE3B, HE5B, HE6B, HE2G, and HE1G-L models. Features detailed specifications, safety precautions, operating instructions, and wiring diagrams for industrial applications.</p>
	<p>IDEC XA/XW Series: Compact ISO13850 Compliant Emergency Stop Switches</p> <p>Explore the IDEC XA/XW series of compact, short-body emergency stop switches, compliant with ISO13850. Featuring illuminated and non-illuminated options, reverse energy structure, and robust design for industrial safety applications.</p>
	<p>IDEC Ø22 YW Series Switches & Pilot Lights Catalog</p> <p>Comprehensive catalog detailing IDEC's Ø22 YW Series switches and pilot lights, including emergency stop switches, pushbuttons, pilot lights, selector switches, key selector switches, and accessories. Features detailed specifications, part numbers, and dimensions for industrial automation and control applications.</p>
	<p>IDEC Technical News: Software Issues with SW1A Automation Organizer WindO/I-NV4</p> <p>This document details five issues identified in the SW1A Automation Organizer software, specifically with the WindO/I-NV4 version. It provides information on the phenomena, affected products, and recommended solutions for each issue.</p>

FS1B Programming App Note

1. Set DIP switches for the safety controller.
2. Select the safety controller type.
3. Set the safety controller parameters.
4. Set the safety controller outputs.
5. Set the safety controller inputs.



[IDEC FS1B Safety Controller Programming Guide](#)

This application note provides a step-by-step guide for programming the logic, timer, and safety inputs of the IDEC FS1B safety controller. It details the process of setting DIP switches, selecting programming logic and timer values, and configuring safety inputs, illustrated with device interface descriptions.