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APEM IRR3S422

APEM IRR3S422 Push Button User Manual

Model: IRR3S422

1. PRODUCT OVERVIEW

The APEM IRR3S422 is a robust push button designed for various industrial and commercial applications. It features a momentary action (Off/(On) return) and is rated for 48 V/DC and 0.2 A. With an IP67 rating, it offers excellent protection against dust and water ingress, making it suitable for demanding environments. Its polycarbonate construction ensures durability.

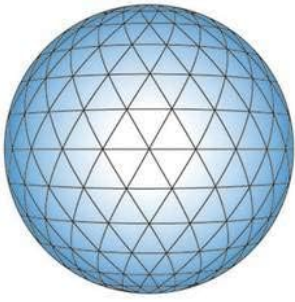


Figure 1: Front view of the APEM IRR3S422 Push Button, showing its black button and threaded body for mounting.

2. SETUP AND INSTALLATION

Proper installation is crucial for the safe and reliable operation of the APEM IRR3S422 push button. Ensure all power sources are disconnected before beginning installation.

1. **Mounting:** The push button is designed for panel mounting. Drill a suitable hole in your panel according to the button's dimensions. Secure the button using the provided nut on the threaded body. Ensure a tight fit to maintain the IP67 rating.
2. **Wiring:** The button features solder terminals. Carefully solder the appropriate wires to the terminals. Ensure correct polarity if applicable to your circuit. Refer to your circuit diagram for specific wiring requirements.
3. **Connection:** Connect the wired push button to your control circuit. Verify all connections are secure and insulated to prevent short circuits.



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Figure 2: Side view of the APEM IRR3S422 Push Button, illustrating the threaded body and solder terminals for electrical connection.

Warning: Always ensure power is off before performing any wiring or installation to prevent electrical shock.

3. OPERATING INSTRUCTIONS

The APEM IRR3S422 is a momentary action push button. This means it activates a circuit only while the button is being pressed and returns to its original state (Off) when released.

- To activate the circuit: Press the button firmly.
- To deactivate the circuit: Release the button.

The button's operation mode is "Off/(On)", indicating that its default state is Off, and it switches to On only when actuated.

4. MAINTENANCE

The APEM IRR3S422 push button is designed for low maintenance. However, periodic checks can extend its lifespan and ensure reliable operation.

- **Cleaning:** If the button becomes dirty, wipe it with a soft, damp cloth. Avoid using harsh chemicals or abrasive cleaners, which could damage the polycarbonate material or the IP67 seal.
- **Inspection:** Periodically inspect the button for any signs of physical damage, such as cracks in the housing or wear on the button surface. Check the wiring connections for looseness or corrosion.
- **Environmental Protection:** While IP67 rated, avoid prolonged submersion or exposure to high-pressure water jets unless specifically designed for such conditions.

5. TROUBLESHOOTING

If you encounter issues with your APEM IRR3S422 push button, consider the following common troubleshooting steps:

- **Button not responding:**
 - Check all wiring connections to ensure they are secure and correctly terminated.
 - Verify that power is supplied to the circuit the button controls.
 - Test the continuity of the button's contacts using a multimeter when pressed and released.
- **Intermittent operation:**
 - Inspect for loose connections or damaged wiring.
 - Ensure the button is securely mounted and not obstructed.

- **Physical damage:**

- If the button housing is cracked or the mechanism feels stiff, the unit may need replacement.

If problems persist after following these steps, contact a qualified technician or APEM customer support for further assistance.

6. SPECIFICATIONS

Feature	Detail
Model Number	IRR3S422
Brand	APEM
Operation Mode	Off/(On) Momentary
Voltage Rating	48 V/DC
Current Rating	0.2 A
Protection Rating	IP67
Terminal Type	Solder
Material	Polycarbonate
Package Dimensions	34.3 x 16.6 x 8.5 cm
Item Weight	12 kg <i>(Note: This seems unusually high for a single push button, likely a package weight for multiple units or an error in source data. Refer to product packaging for exact weight.)</i>
Manufacturer	APEM
Date First Available	7 Aug. 2012

7. WARRANTY AND SUPPORT

For information regarding warranty coverage, technical support, or replacement parts for your APEM IRR3S422 push button, please refer to the official APEM website or contact your authorized APEM distributor. Keep your purchase receipt as proof of purchase.

APEM Official Website: www.apem.com

