

Product News

Grayhill continues to expand the depth of our product offering by introducing sealed versions of the 30 Series and 39 Series Pushbuttons.



The 30 Series is an above-panel mounted SPST momentary contact pushbutton switch with a half-inch diameter actuator in an integral decorative housing. The switches have tactile feedback at the point of contact so that the operator knows that contact has been made. The new versions, 30-2xx, have a threaded housing that adapts to varying panel thicknesses. They are available with a silicone boot that wraps over the top forming a single-surface IP67 seal when compressed against the panel under the rim of the switch. They can also be sealed to IP67 without the boot as a custom switch. The switches are currently available with six different color actuators inside of the black outer housing. The switches are ideal for operator interface applications where different color switches are required in one panel. The silicone rubber seal underneath the actuator makes them well suited for use in demanding environments where the switch would be exposed to high humidity and/or dust and sand.

The 39 Series is a PC mounted SPST momentary contact miniature pushbutton switch with a tenth-inch diameter actuator. The new versions, 39-138, feature internal and external o-rings to seal the panel and button openings and protect the switch contacts from moisture and other contaminants. It is ideal for small hand held applications that require low contact resistance, long life, and exposure to extreme environments. Versions of this switch are being used in commercial and military applications in the most demanding applications and environments. It is also available as a custom with a larger diameter cap that can be snapped on after assembly in the panel.

Application News

Product: Handheld device with a custom Series 62 Optical Encoder as scroll-wheel
Rep: John O'Brien, VP of OEM Sales at Coakley, Boyd & Abbett in Framingham, MA
Customer: Hologic, Inc. is a leading developer, manufacturer and supplier of premium medical diagnostic equipment and medical imaging equipment.

Hologic approached sales representatives for Grayhill initially to inquire about an optical encoder with the rotational feel and function similar to a scroll-wheel on a mouse. With over 25 types of optical encoders, it was easy to find one that matched the rotational torque and snap action switch force that the customer sought. From there, a Grayhill engineering team was tasked with creating a custom encoder incorporating the requested characteristics, including sideways mounting and a tact switch function.

At the same time, John O'Brien of CBA was developing a proposal to manufacture the entire assembly. Grayhill quickly designed and delivered prototypes of a plastic handheld device with the custom encoder, a cable and connector. Hologic accepted the samples and proposal for the entire operator interface device which is now part of their ThinPrep screening and diagnostic system.

Series 62 in a handheld scrolling device



Appointments



Grayhill is pleased to announce a partnership with Dakota Fluid Power (DFP) that will offer complete fluid power solutions to off-highway vehicle manufacturers. Effective immediately, DFP can offer the full range of Grayhill keypads, joysticks and display devices as part of a CAN-bus controlled hydraulic system.

Dakota Fluid Power's expert design and engineering staff provide complete hydraulic system and electronic controls integration. They will assist vehicle manufacturers with the initial system design, provide engineering support, develop prototypes then oversee on-site start-up and verification.

Visit Dakota Fluid Power to explore their well-stocked inventory of innovative products and learn more about their value-added solutions. Or call DFP at 1-800-727-2420 and inquire about the Open House they are holding July 1st at their Sioux Falls location.