



IDEC HW Switches

Simple Excellence

Smart Products. Simple Solutions.



Reliability, Flexibility, Superiority



IDEC HW Switches are custom-built to your specifications to ensure you always get the quality product you want.

Switches operate on a simple concept: on/off. But the implications of this operation are anything but black and white. Assembly lines, elevators and even HVAC systems depend on switches every day. Pushbuttons and emergency stops enable the controller to modify settings of a system or should an emergency arise, shut the system down in one swift motion. The security of having an IDEC switch to rely on is priceless. Switches may seem like a minor piece of the big picture, but the safety they provide protects everyone.

At IDEC, we have been selling switches for 60 years. We pride ourselves on providing quality products that are both cost-effective and available when you need them. For a switch you can count on for years to come, look no further than IDEC.

So you ask what's so special about IDEC's HW 22mm series? Well, not only is it a great product at a great price, but with endless combinations available, you can customize one to meet your specific needs. You want to save panel space? Well we can do it. We build what you want, when you want it.

When you want a product you can trust, IDEC switches are the only choice!

IDEC 22mm HW Series Switches 60 years of design excellence



Building on a long history of pushbutton dominance, IDEC is proud to offer its HW series of internationally rated 22mm pushbuttons and pilot devices. These switches are easy to use and install, as well as being available in a number of styles. Metal bezel, plastic bezel, multiple colors and many configurations are just a few of the options you can choose from.

Global approvals only highlight the quality of design and sturdy construction that are IDEC's standard. IDEC has steadily moved ahead of competitors by offering its customers superior, custom switches that are both reliable and flexible.

"For the best looking, rugged, most reliable and easy-to-install switches, rely on IDEC"

*—Manager,
packaging machine manufacturer*

Modularity, Simplicity, Quality

Designed with Accessibility and Convenience in Mind

Modular and Adaptable

HW switches are easy to build, modify and maintain. Replacement parts are readily available making it easy for you to repair your current switches instead of incurring the time or expense of buying a new one.



Easy to Mount

HW switches mount into any 22mm round, mounting hole. Because we pay attention to even the smallest details, anti-rotation rings prevent the operator from rotating the switch once it is mounted.

Contact Block Adaptor

HW switches allow you to mount up to six contacts and wire contact blocks separately for easy installation. A safety, yellow lever lock assures the contacts stay on the switch.



Finger Safe (standard), Optional Spring-up Terminals, Screw Exposed Terminals



Contacts

Safety and simplicity were of paramount concern in the development of this line. HW switches utilize finger-safe contacts with optional spring-up or exposed terminals, and color-coded contacts for quick identification. 10A SPST silver contacts are standard, but optional gold-plated contacts are also available.

HW switches also have a long electrical life. Pushbuttons, illuminated pushbuttons, selector switches, illuminated selector switches, key switches and dual pushbuttons all operate up to 500,000 cycles. Monolever and pushbutton-selector switches operate up to 250,000 cycles.

A Switch for Every Application



Non-illuminated Pushbuttons

Getting back to basics! These standard pushbuttons function when the operator pushes a cap to activate the contacts. Available with many options including momentary or maintained; flush, extended or mushroom caps; round or square face; plastic or metal bezel (round only); and colored caps in green, red, black, yellow, blue, white and gray (round flush only); the only thing holding you back is indecision.



Illuminated Pushbuttons

If you're looking for a pushbutton with a little more visibility, check out our illuminated pushbuttons. These incandescent or LED buttons are available in green, red, amber, yellow, blue and white. Illumination voltages range from 5V - 480V. An operator pushes a momentary or maintained lens to activate contacts which are available as flush, extended, extended with guard or mushroom lenses; square or round face; and plastic or metal bezel (round only). The light is independent of the contacts, so it can be wired to turn on or off depending on your preference.



Emergency Stops

If you need reliability when it matters, then look no further! IDEC emergency stops are maintained switches with a different reset and make action to keep you safe. Push-lock turn-reset, push-pull and key-reset models are all available. Red mushroom caps come in 29mm, 40mm or 65mm in size with a few select yellow cap models also available. Unique unibody models are offered with no removable contacts for increased safety; and E-Stop stations with direct mounting to 16mm or 1/2-inch conduit.



Pilot Lamps

If seeing is believing, then you need to check out these lamps with bright indicator lights of all shapes and sizes. Take your choice of round flush and dome, square or jumbo dome; and plastic or metal bezel. Incandescent or LED-type illumination with voltages of 5V - 480V AC are available. Take your pick and then choose from green, red, amber, yellow, blue and white lens colors for your best match.



Key Selector Switches

For more control, these switches require a key to activate contacts. Available in 2 or 3 positions either maintained or momentary (spring return), and plastic or metal bezel. The key can be removed in any specified position. All switches are keyed alike, standard, but special keys can be obtained if necessary for higher security applications.

Modularity, Simplicity, Quality

A Switch for Every Application



Dual Pushbuttons

IDEC offers these momentary dual pushbuttons with an optional interlock feature to prevent the operator from accidentally activating two contacts at once. Choose from models with or without a center pilot light. Available in full voltage and transformer types illuminated with LED or incandescent lamps, it's easy to find one that best fits your application.



Selector Switches

If you need to actuate contacts with a multiple-position switch, we have the answer. You can purchase our selector switches with 2, 3, 4 or 5 positions. You can also choose a maintained or momentary (spring action) operator. Depending on your needs, colored knobs, levers and pointers are available, as well as a standard black knob with white pointer.



Illuminated Selector Switches

Brighten up your control panel with one of our selector switches with an illuminated knob in 2 or 3 positions. You can choose from maintained or momentary (spring return) positions; illuminated lens colors in green, red, amber, yellow, blue and white; and incandescent or LED-type powered by 5V - 480V AC.



Monolevers

These special switches use a lever to give the operator control when actuating contacts. You can choose from 2, 3 and 4 positions; maintained or momentary (spring return) to center action; and standard, interlocking levers. An interlocking lever prevents undesired actuation by forcing the operator to lift the lever lock in order to move the lever.



Pushbutton Selectors

Combine the function of a 2-position selector switch and a momentary pushbutton and this is what you get! An outer rotating ring actuates contacts or selects an option, while the middle button can also actuate contacts. There are 5 different cams for various control options and the pushbutton cap is available in green, red, black, yellow, blue, white and gray.



Safe Break Action 16mm and 22mm E-Stops

The XA and XW series of Emergency Stop switches include a revolutionary new technology called "safe break action." This design reverses the energy direction and uses spring-pressure to assure that the NC contacts will open if the emergency switch is damaged or the contact blocks separate due to excessive force. This innovative concept provides greater levels of human safety and is the first of its kind in the world!

16mm Solutions

You can't go wrong with our A6 series of pushbuttons and pilot devices offered at competitive prices with simple, one-piece construction in a space saving package. Features include snap action and double throw contacts with gold plating for reliable low level switching. Ideal for such applications as PLC inputs, logic level switching, or anywhere space is at a premium. Or for a "full line" solution, try our L6 series of pushbuttons and pilot lights, available with removable solder-tab/quick-connect terminals or with PCB terminals.



30mm Solutions

Check out our rugged "full size" 30mm TWTD series pushbuttons offering both variety and durability in an attractive design. With NEMA style mounting, which features a chrome-plated locking ring that screws onto a die cast zinc body, stripped threads are now a thing of the past. Or ask about IDEC's CS series of cam switches that offer the ultimate in selector switch flexibility. Available up to 12 positions, with up to 20 contacts they can meet almost any selection need. Choose from four different detent angles and a large variety of handle styles.

22mm Solutions

Combining the 22mm size of a typical industrial pushbutton with low-level double throw contacts usually found on miniature 16mm switches, the LW Series offers a unique solution to your control applications. IDEC's exclusive, light touch mechanism is ergonomically designed to require minimal force and reduce repetitive strain injuries. Or for a more traditional NEMA style switch, the TW series features a chrome plated octagonal locking ring that fastens from the front of the panel. Modular construction with snap-on contacts allows for great flexibility in configuration.



IDEC Money-Saving Solution Package

For safety and efficiency, today's industrial machines require controls that are simple, versatile, and user-friendly. With IDEC graphical, operator interfaces you also get visual feedback and troubleshooting ability you can depend on. Now, save up to 50% on specially packaged IDEC components that combine everything you need to install a versatile graphical operator interface. The package includes an IDEC Touchscreen and software for easy programming, a Slim Line Power Supply and MicroSmart PLC or IDEC SmartRelay to solve your control problems. IDEC components in each package work together to give you a simple solution at a great price. For more information, visit <http://smarttouch.idec.com>.



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Catalog No. HW9Y-B100-0 10/05 10K