## Enabling "Dead Man" Switches

## What is an enabling switch?

An enabling switch is a 3-position (OFF-ON-OFF) switch to allow a machine operation only when the switch is lightly pressed and held in the middle position (position 2). Because it disables machine operation when released (position 1) or further depressed (position 3) by a panicked operator, the safety of operators is ensured.

IDEC was a pioneer in developing these type of switches and championed the additional IEC60947-5-8 requirements for enabling switches to be used in automated manufacturing cells.


## HE1B Enabling Switch Movement

3 Position Enabling Switch
Position 1 - Normal position - Contact Open
Position 2 - Push half way - Contact Closed
Position 3 - Push all the way - Contact Open


When releasing switch from position 3 back to position 1 , the switch will not enter the ON state.

## Selection Guide

Enabling Switches


Grip Switches

| Series | HE1G | HE1G-L | HE2G | HE5B Housing |
| :---: | :---: | :---: | :---: | :---: |
| Appearance |  |  |  |  |
| Page | 408 | 412 | 415 | 419 |
| Description | Grip Switch | Light Force Grip Switch | Compact, Ergonomic Grip Switch | Grip switch housing for HE5B |
| Maximum Contacts | DPDT, 1NC/DPDT, 2NC |  | DPDT | DPDT |
| Options | E Stop or Push Button | E Stop or Push Button | E Stop, Push Button, Key Switch, Pilot Light | - |

## Application Example



