



Electrical Standards for Industrial Machinery NFPA 79 2018

Function	Pushbutton Description	Pushbutton Colors					
Start / On	Green, Black, White or Grey actuators shall be permitted. Red shall not be used.						
Emergency Stop	The color Red shall be used for emergency stop devices. A combination of a Red actuator with a Yellow background shall only be used for emergency stop devices.						
Stop / Off	Red, Black, White or Grey actuators shall be permitted. Green shall not be used.						
Start / On Stop / Off	White, Grey or Black are the preferred colors for actuators that alternately act as Start / On and Stop / Off. Red, Yellow or Green should not be used.						
Hold-To-Operate	Actuators shall be Black, White, Grey or Blue with a preference of Black. These are actuators that cause operation while they are actuated and cease the operation when they are released.						
Reset	Blue, White, Grey or Black shall be used except when they also act as a stop or off button, in which case they shall be Red.						
Abnormal Conditions	Yellow shall be used for abnormal conditions (E.g. Interrupt an Automatic Cycle).						

Where the same color is used for various functions, a supplementary means of coding (Engraving / Symbol) should be used for the identification of actuators.

Machine Indicator Lights Description				Fortress Engravings for Pushbutton Actuators		
Safety of Persons or Environment	Condition of Process	State of Equipment	Color			
Danger	Emergency	Faulty		Automatic Restart	Caution	Lock
Warning / Caution	Abnormal	Abnormal		Down	Up	Hold-to-Run
Safe	Normal	Normal		Request to Enter	Start - Off	Stop
Mandatory Action				Reset	Start, start of action	Unlock