

NON-GLARE PUSHBUTTON FACEPLATES; SERIES 40

Non-glare faceplates are used to increase readability of legends under high-glare light conditions. Optional faceplates have been developed for Series 40 Pushbuttons for use in high-glare light conditions. They are interchangeable with the standard clear faceplates. The front face has a textured light-dispersing surface capable of reducing high-glare specular reflections by approximately 2/3. Readability during light glare conditions is greatly enhanced: but every effort should be made to use large, clear legends to regain clarity lost in the dispersing media.

Two choices of color are available: Part Number 106067-1 (water clear), and Part Number 106067-2 (neutral gray), with 50% light transmittance. The neutral gray faceplate is used for suppression of second surface reflections and also has use in hidden-legend applications.

Test comparisons between smooth-molded faceplates and textured faceplates are made with equipment arrangement similar to that designated in ASTM D523-67. For reflected light measurements the glare light source must be at least a full magnitude (10X) above ambient conditions.

Dispersion of glare to increase readability is a compromising problem at best; too much diffusion can make reading a legend behind a faceplate difficult under normal light conditions. These two faceplates represent STACOSWITCH'S approach to the best balance of readability under high ambient light conditions.