Miniature Metal Photoeye

Keyence Corporation of America introduces the PR-M/F Series, the industry's first miniature metal photoeye. Keyence prides itself on innovation, and has brought that mindset to miniature photoeyes. The PR-M/F Series is dedicated to fulfilling three main focuses: durability, stable operation, and ease of use.

The PR-M/F Series stands as the smallest metal photoelectric sensor in its class. By employing a "hybrid structure", which features a resin filled, SUS316L stainless steel body, the PR-M/F Series sensors can withstand approximately five times greater shock than conventional models. The heavy duty body is also highly resistant to oils, acids, and alkaline detergents, and maintains both IP67 and IP69K enclosure ratings. These features, combined with an 81% reduction in size compared to conventional models, result in the smallest, most durable miniature photoelectric sensor on the market.

The PR-M/F Series ensures stable detection by greatly reducing the effects of interference and target color or angle. By operating at a higher light frequency than most typical light sources, the influence of external light is greatly reduced. Also multiple PR-M/F Series sensors will not interfere with each other when used in close proximity, due to its built in cross talk prevention function. Along with these features, the PR-M/F Series sensors contain a function that will automatically adjust their power to maintain stable detection of targets of varying colors or angles.

The PR-M/F Series has taken ease of use to next level by simplifying installation, eliminating the need to adjust the sensors, and much more. By integrating standard M3 mounting holes into the design of the PR-M/F sensors, it can be easily installed without the need for special tools. Once the sensor is installed, there is no sensitivity adjustment required and the highly visible indicators will clearly indicate the presence or absence of a part. PR-M/F Series sensors feature both Light-ON and Dark-ON outputs in the same unit, and also feature M8 connector type models. All

these feature combine to make the PR-M/F Series operational in minutes.

Keyence Corporation of America
888-539-3623; www.keyence.com/PRPRMF [1]

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