

## Photo-Electric Controls

For some time past, lighting engineers have been seeking a way to fit photo-electric control to the smaller Class B and post top lanterns. After exhaustive tests, Royce Thompson Electric Ltd. have proved that satisfactory operation can be obtained by fitting the photo-electric unit below the lantern, provided that suitable fixing can be arranged. In the case of small top entry lanterns, again a suitable fixing must be provided between the column nipple (usually  $\frac{3}{4}$  in. B.S.P.) and the lantern itself.

In announcing the new P9 unit, R.T.E. are also offering

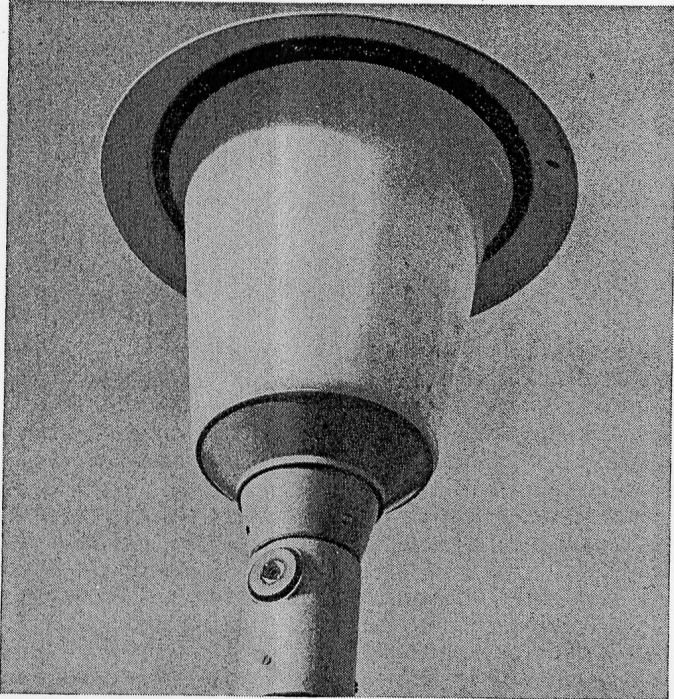


Fig. 1

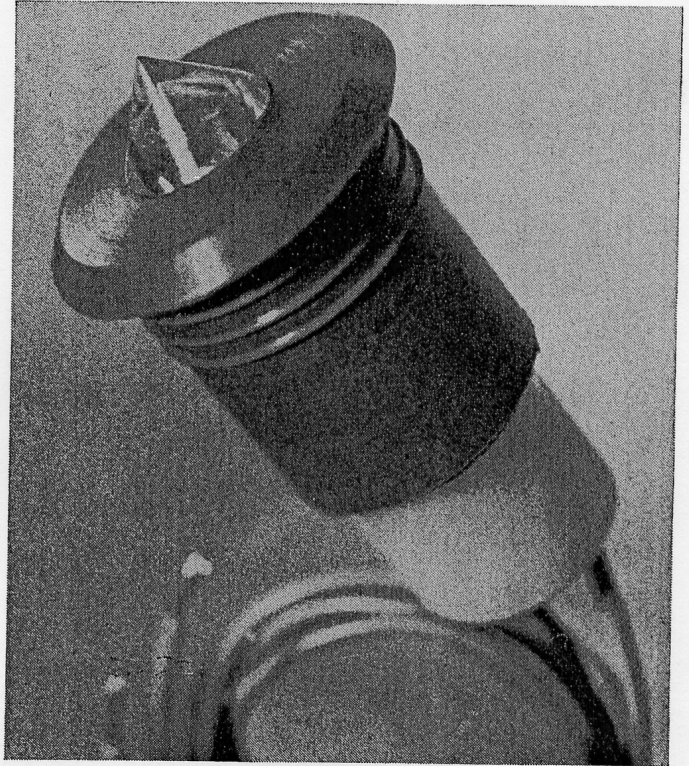


Fig. 3

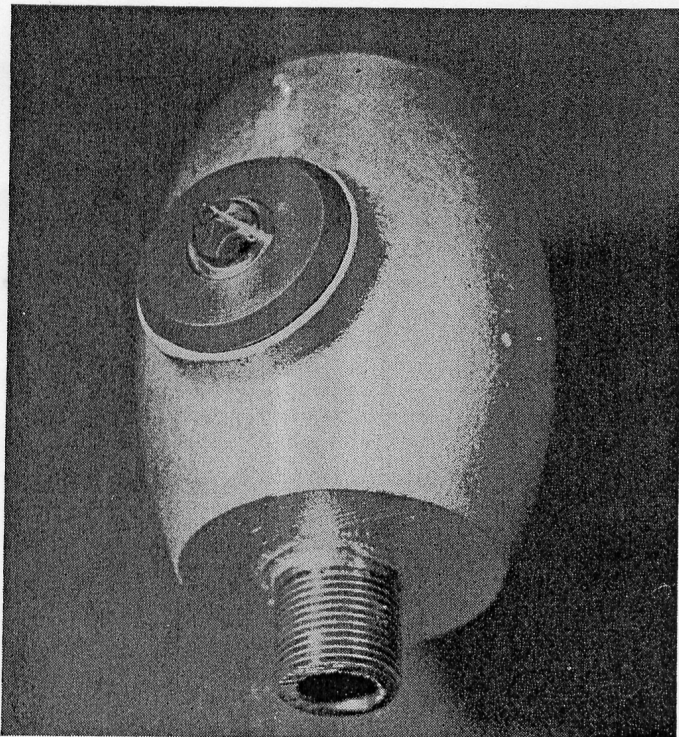


Fig. 2

two adaptors, the A1 and A2, to provide the two forms of fixing mentioned above.

Cast in malleable iron, and thoroughly galvanised, these adaptors provide a push-in fit for the P9 unit, which electrically is the same as all other units in the R.T.E. range. The A1 adaptor (Fig. 1) seats on the 3 in. mounting spigot on the column, and the post top lantern, or swan-neck bracket, fits on to the 2.15/16 in. spigot on the adaptor. The P9 unit locates in the 1½ in. hole in the side

of the adaptor, and loose leads are taken up into the lantern for connections.

The A2 adaptor (Fig. 2) screws onto the  $\frac{3}{4}$  in. B.S.P. nipple on, say, a concrete column, and the top entry lantern is screwed up to the male thread of the adaptor.

It is recommended that the adaptors should be fitted in such a way that the Photo-Electric units are facing away from the most likely interference. This is almost certainly at right angles to the kerb line, except on bus routes, where Class B lighting is not likely to be found, anyway.

The P9 unit (Fig. 3) is designed with a neoprene body to be forced into the side hole of the adaptors, and has a labyrinth to prevent ingress of water. The aperture is normally fitted with the clear cone used on the R.T.E. P8 grommet, or a flat perspex disc can be provided if interference from the controlled light is experienced. Three loose leads are provided of adequate length to reach the lantern for connections.

The new unit is intended for use with the adaptors and is aimed principally at conversion jobs. However, there will be cases where the unit on its own could be used, and the cost will be considerably lower than the conventional composite photo-electric unit.

Full details are available from R.T.E. engineers throughout the U.K. or direct from

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