

# LightSpot - Presence Detection Systems Long Range Series LightSpot

Long Range LightSpot is a high performance presence detection system for use in almost any internal space. It was conceived to bring effective energy-saving control to large areas such as warehouses, sports halls, workshops, hangars, classrooms etc. The system offers many outstanding features and user options, making it the natural choice for large and prestigious situations. Long Range LightSpot is designed to the highest quality standards and performance criteria to ensure efficient and trouble-free operation in the most exacting locations.

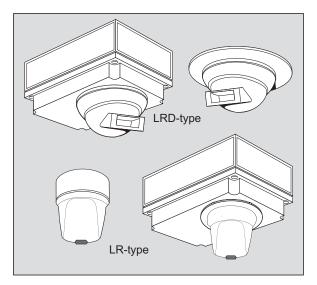
Long Range LightSpot systems comprise two components

- 230-volt control units with single or dual volt-free output relays, rated to switch any type of load up to 10 amps
- low-voltage microwave detectors for surface or flush mounting. LR-type detectors are available in 15 and 30 metre versions; LRD-type detectors in 30 and 60 metre versions.

System design and installation is extremely simple, requiring no special tools or training. Installation is confined to the lighting circuits being controlled. Detectors and control units may be combined to form self-contained controls or separated for more convenient electrical connection and commissioning. The low-voltage detectors do not contain any adjustment controls and may be fitted at high level and in public areas. Typical mounting height is 3-4 metres. Do not mount LR-type detectors above 3.5m or LRD-type above 6m without seeking technical advice.

# Fully or Semi-automatic Operation

In larger areas it is often good practice for all or part of the load to be in semi-automatic operation, whereby a start button is provided to switch ON. The load is automatically reset OFF once the area is vacated. This feature is useful where activation from adjacent spaces might occur or where the existing light level is adequate



for visiting access. Dual-circuit control units allow for lowlevel safety lighting to be provided automatically with the remaining load in semi-automatic operation.

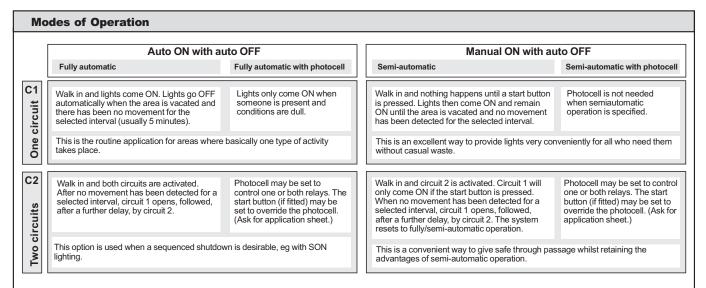
## Remote Photocell

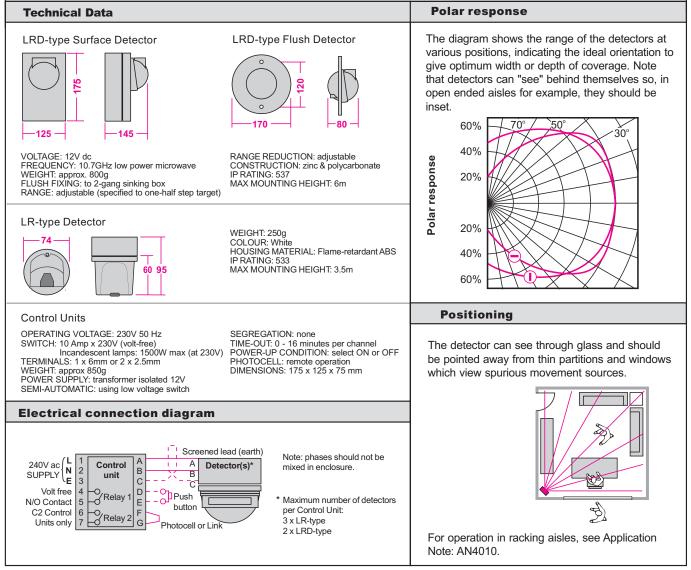
Photocells can be configured to control all, or part, of the controlled load. They may be adjusted over a wide range and the various operating modes are selected by an internal switch.

### Wide Polar Response

LRD-type detectors are located in a unique spherical diecast housing which incorporates an antenna. This unit, specially developed by Ex-Or, is secure against accidental damage, eg by sports balls, without external protection and gives an extremely wide coverage pattern.

Please check www.ex-or.com to ensure this is the most recent issue - Ref: D4009E





## Part Numbers

LR15SM, LR30SM Detectors - surface mounted: 15m, 30m range LR15F, LR30F Detectors - flush mounted: 15m, 30m range LR15B, LR30B Detectors - box mounted: 15m, 30m range LRD30B, LRD60B Detectors - box mounted: 30m, 60m range LRD30F, LRD60F Detectors - flush mounted: 30m, 60m range **Control Units:** I RC1 Control unit with single switch relay Control unit with dual switch relay LRC2L Combined units (detector fitted within lid of a control unit - surface mounted) may be

ordered by combining the above part numbers eg LR15C1, LRD30C2

 LRP1
 Photocell for remote mounting

 WMK
 Wall-mounting kit for LR15SM and LR30SM

Ex-Or operates a genuine policy of continuous improvement. You may expect the specification to be regularly enhanced. For latest technical information, please visit www.ex-or.com.