

Ultrabeam Transmitter

Technical Data

Farnell Order No: 239 - 392

Supply Voltage

1 x 9v Alkaline battery, type 6AM6, 6F22, PP3

Power Consumption

Activated: max 45mA

De-activated: max 10mA

Range

Dependant on ambient light

Typical 35m upwards

Light Source

3 x CQW13 emitters with mirror reflectors each giving high radiation intensity (720mW/Sr typ.)

Operating temperature

-20 c to 60 c

Housing

Dark brown ABS.

SwitchType

Tactile membrane keypad

Ultrabeam Receiver

Technical Data

Supply voltage

- (i) 12VDC (10V-15V)
- (ii) 15VDC-30VDC
- (iii) 220/240VAC
- (iv) (110VAC available on request)

Operating temperature

-20 c to 60 c

Relay Switching Current

8 amps constant DC
10amps constant AC

Housing/Proofness

Grey ABS IP55

Power Consumption

Typically 20mA

Delay on operate

100ms

Channels

1 to 6 on standard unit
Only one channel may be activated at a time.

Delay on release

100ms

General Operation

The system works as follows: The transmitter is directed towards the activating surface of one or more receivers.

On activation of a push-button on the transmitter unit, pulse position modulated infra- red light is emitted. Simultaneously a red LED lights to indicate transmission is taking place.

When a valid code at the correct frequency is detected by the receiver, the corresponding channel will be activated. The frequency of the carrier signal is adjustable by a variable resistor on the transmitter and receiver units. This adjustment is not normally necessary as systems are normally shipped in matched pairs.