

These instructions apply to the SET-DOL combined movement and light level sensor. Setsquare recommend all installations are carried out by a suitably qualified electrician and these instructions are followed. Failure to do so may lead to damage to either the circuits or installer.

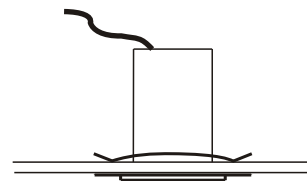
### **Operation.**

This unit provides both movement and light level sensing in a single small unit. This unit can be used with various products in the Setsquare range.

### **Mounting.**

This unit must be mounted where it has a good view of the effect of the lights it is controlling. If this is not the case then the light level control will not function correctly. If the controller is being used to control all lights in a given room then it is recommended that this sensor is mounted towards the back of the room about 2/3 of the way from the window to the opposite wall.

The unit is mounted by drilling a single 38 mm diameter hole in a ceiling tile. The sensor is retained by the spring clip provided. It is important that the clip is fitted as shown in the diagram.



### **Connections.**

This unit requires a 4 core screened cable for connection to the controller. It is recommended that Setsquare SET-D4SC100-MR-7-W cable is used.

The cables coming out of this sensor have the following signals on them:-

Red	+12Volts
Black	0volts
Green	Occupancy
White	Light Level
Screen	Connect to 0 Volts in Controller

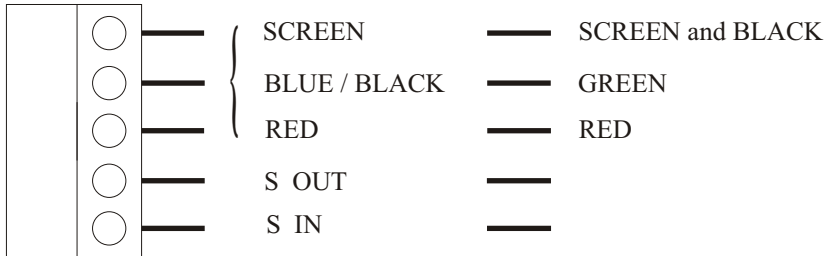
**Connections to SET-DLA or SET-DLD controller.**

To use this sensor with the above controllers it is necessary to make the following connections.

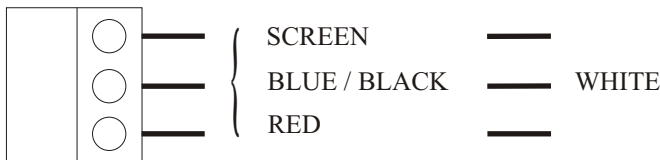
Connect the Red, Black and White lead to the connector for the light level sensor TB1 (SET-ALD5), Then connect the green wire to the OCH input on TB2 marked on the diagram as Black/Blue colour cable.

**Occupancy Sensor (TB2)**

**SET-DOL**



**Light Level Sensor (TB1)**

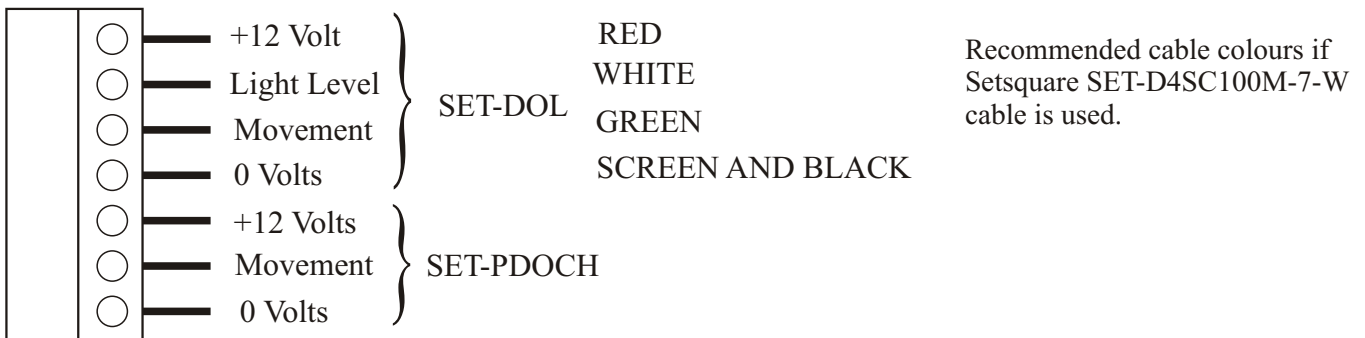


These diagrams show the connections to both TB1 and TB2 as shown in the Daylux II installation instructions and the changes necessary if using the SET-DOL sensor in place of an SET-ALD5 and a SET-PDOCH.

**Connections to Daylux SET-DDC controller.**

The Daylux SET-DDC controller has a input especially for this sensor.

**Sensor Inputs.**



This diagram shows the connections for the SET-DOL sensor as shown in the Daylux SET-DDC installation Instructions.

## Specification

Supply	12 Volts DC at 5 mA.	
Output	Light Level	0 - 10V for 0 - 300 Lux falling on the face of the sensor.
	Movement	Open Collector, Pulls to ground to indicate movement.
Order Code	SET-DOL	

### Cable.

SET-D4SC100-MR-7-W Four Core screened cable suitable for mains containment, ROHS, LSOH.  
This is similar to BELDEN 8723.

The SET-DOL is part of a range of energy conservation products available from Setsquare.

This apparatus may be turned on by high powered RF interference and should not be installed near pager aerials or inductive loop equipment. It will recover when the RF ceases.



Electrical and electronic equipment should never be disposed of with general household or commercial waste but collected for their proper treatment and recovery. The crossed out wheely bin symbol is to remind you of the need to dispose of this product at the end of its life in a way that will assist in the recovery, recycling and reuse of many of the materials used in this product. Where possible also recycle the packaging.



WEE/DJ0002ZR

### For details of other products contact:-

Setsquare Energy Saving Controls  
The Maltings  
63 High Street  
Ware  
Hertfordshire  
SG12 9AD  
United Kingdom

Phone : 01920 462121

Fax : 01920 466881

www : setsquare.com

E-Mail : sales@modelighting.com

REF:- SETDOL\_1  
DS255 V1.0

16-10-2013