



**TDS12270WH**

**TELETASK Light sensor**

This light sensor is to be used to sense for light levels. Depending of the placement the sensor can be used to control indoor or outdoor functions (lights).  
The sensor can be used to control curtains, shutters, lights, etc... Or to sense if a 'dark' or 'light' or ... situation is true.

**APPLICATION**

For indoor and outdoor applications  
To be used to sense the environmental light level.  
To be connected to a TELETASK "analog" input.

**CHARACTERISTICS**

Sensor with three wire connection  
Mounted in a IP44 housing (for indoor and outdoor use)

**Range**

Twilight	0,1 > 1584 lux
General purpose	1 > 15848 lux
Sun	10 > 99999 lux

**Order number**

TDS12270WH – white front

**SETTINGS**

**Configuration**

See technical handbook chapter: 'How to integrate a light sensor'.

**Jumpers**

JP1 + JP2: to define the sensor as a sun-, regulate- or dusk sensor

**INSTALLATION**

To be mounted on a flat surface, protected for outdoor influences as rain and snow or built in the wall using 45x45mm or 55x55mm frames.

Ideal build-in height: 1,5m – 10 to 15 cm away from any door. Anyway, depending the application you should consider the placement to be protected against direct sun light or not (ex: when the light sensor is active in the sun sensor mode, it is not placed in the shelter of the gutter).

Be aware that there are differences between summer and winter periods; the sun stand high and low.

If the sensor controls a light source, the placement should be done in a way that the controlled light is not influencing the sensor in no way.

Min. wire section: 0.25mm<sup>2</sup>

**CONNECTIONS**

By shielded cable, containing three wires (+12V/0V/signal).  
When more than one sensor is connected with the same cable, the signals should be shielded separately.  
Maximum cable length is 50m.  
Connect the sensor cable shielding to the AUTOBUS shielding.  
By means of three screw terminals

**POWER CONSUMPTION**

Max. 4 mA

**DIMENSIONS**

55 W x 55 H x 21 D (mm)

**GROSS WEIGHT**

0,050 kg

**PACKAGING CONTENT**

TDS12270WH

**STORAGE**

**Temperature**

-20°C to +65°C

**Relative humidity**

15% to 85%

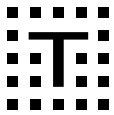
**IP PROTECTION RATE**

IP44

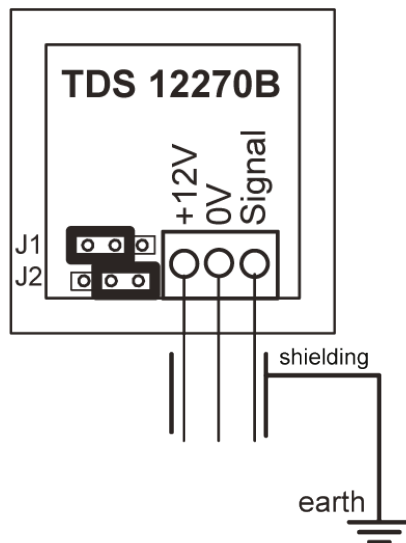
**OPERATING RANGE**

**Temperature**

-20°C to +50°C max.



**SCHEMATIC DRAWING**



J1		Twilight sensor
J2		Schemersensor
J1		Control sensor
J2		Regelsensor
J1		Sun sensor
J2		Zonnesensor

Shielded cable, to be connected to earth at the central unit or at the analog input interface (AUTOBUS shielding).  
Only one sensor per cable or per shielding (multi shielded cable)  
**Max. cable length: 50m**

**Installation**

	<b>1</b> Open the sensor	<b>2</b> Mount the frame	<b>3</b> Connect and close
<p>On Wall mounting</p>		<p>Max. 3.5x35</p>	
<p>45x45 frame in wall</p>			
<p>55x55 frame in wall</p>			

Use optional kit TDS90260