

## Datec photo amplifier/photocells

### Amplifier:



### Technical Data:

<b>Supply voltage AC:</b>	24, 48, 110, 230 VAC. ± 10%, 45-65 Hz.
<b>Supply voltage DC:</b>	24 VDC. ± 20%.
<b>Consumption:</b>	ca. 2,5 VA.
<b>Working temperature:</b>	-20°C to +50°C.
<b>Output relay:</b>	max. 8A / 250 VAC.
<b>Output transistor:</b>	NPN type, max. load. 100 mA/30 VDC.
<b>Range adjustment:</b>	0-100%. Working condition determined by type of receiver.
<b>Time delay:</b>	Separate ON and OFF. Adjustment 0-10 sec.
<b>Reaktion time, relay:</b>	Max. 60 msec.
<b>Reaktion time, transistor:</b>	Max. 30 msec.
<b>Connection:</b>	11-pole socket.

If the "light" diode lights up constantly, the transmitter and receiver can register each other and are not disconnected.  
 If the "light" diode is blinking, the transmitter and receiver are staggered relative to each other, but are still able to register each other and are not disconnected.  
 If the "light" diode not light up or flashes, the transmitter and receiver are not able to see each other.

### Output function:

Applicable for DA100 og DA105.

Usually the relay and the transistor will activate, when transmitter and receiver are able to see each other, and fall off when the infrared light beam is disconnected.

If pin 8 and 11 is connected, this function will be inverted.

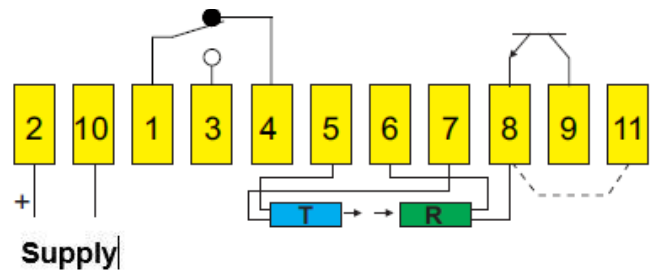
### Output function:

Applicable for DA200 og DA205.

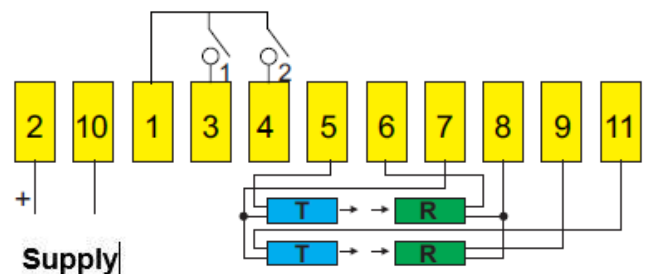
From 2 switches marked "light" and "dark" it is possible to chose output function for each of the 2 channels.

### Connection:

Connections for DA100 and DA105.  
For single relay, transmitter and receiver.



Connections for DA200 og DA205.  
For double relay, transmitter and receiver.



## Datec photo amplifier/photocells

### Transmitter and receiver:



### Technical Data:

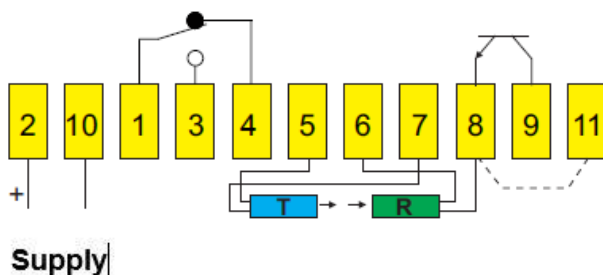
<b>RS and TS-units:</b>	Stainless steel
<b>R and T units:</b>	Black NORYL
<b>Lenses:</b>	Polycarbonate
<b>Working temperature:</b>	-20°C to +60°C
<b>Enclosure:</b>	IP67
<b>Max. activation distance:</b>	
R5 and RS5:	5 meter
R15 and RS15:	15 meter
R30 and RS30:	30 meter
<b>Mechanical measures:</b>	
T30, R5, R15 and R30:	Ø10 x 20mm
TS30, RS5, RS15 and RS30:	Ø12 x 32mm
<b>Cable length:</b>	5 or 15 meter

The distances mentioned in the ordering guide counts for transmitter and receiver placed opposite each other.

If transmitter and receiver are placed next to each other with a reflector, the max. distance is 50% of the nominal distance.

If a white, flat surface is used instead of a reflector, the distance is 10% of the nominal distance.

Connections for DA100 and DA105.  
Single relay, transmitter and receiver.



### Ordering guide for transmitter and receiver:

Note: Receiver controls activating distance			
Receiver	Aktivating distance In meter	Cable length In meter	Dimension
R5-5	5	5	Ø10 mm
R5-15	5	15	Ø10 mm
R15-5	15	5	Ø10 mm
R15-15	15	15	Ø10 mm
R30-5	30	5	Ø10 mm
R30-15	30	15	Ø10 mm
RS5-5	5	5	M12
RS5-15	5	15	M12
RS15-5	15	5	M12
RS15-15	15	15	M12
RS30-5	30	5	M12
RS30-15	30	15	M12
Transmitter			
T30-5	30	5	Ø10 mm
T30-15	30	15	Ø10 mm
TS30-5	30	5	M12
TS30-15	30	15	M12

Connections for DA200 and DA205.  
Double relay, transmitter and receiver.

