Features:

- Device for independent installation with cable clamp and compact, robust housing
- Wire connection via screw terminal.
- Built-in control port (adjustment through resistor or 10 V control signal) for current adjustment from 0–100 % (see section 2.3.2.1, page 16)
- Class II device.

Application notes:

- Table 6 below lists the approximate resistor values to be used for a given output current value (for a single OT 9/200-240/350 DIM)

I_{out} [mA]	R [kΩ]
100	8.2
200	14.1
300	20.1
350	> 23.0

Table 6 – OT 9/200-240/350 DIM – Typical resistor values

- Typical potentiometers with 20, 47, or 100 kΩ log. can be used to control the OT 9/200-240/350 DIM. The mechanical range of the potentiometer may need to be adjusted accordingly.

- When controlling multiple OT 9/200-240/350 DIM in parallel the resistor value listed in Table 6 above must be divided by the number of devices controlled in parallel to achieve the desired output current. Only a limited number of OT 9/200-240/350 DIM may be wired in parallel, check the instruction sheet delivered with the product for details.

4.1.13 OPTOTRONIC® OT 18/200-240/700 DIM

Available as 700 mA version:
OT 18/200-240/700 DIM

Special features:

- Device for independent installation with cable clamp and compact, robust housing
- Wire connection by screw terminal.

- Built-in control port for current adjustment from 0-100 % (see section 2.3.2.1, page 16)
- Delivered with pre-installed resistor for 500 mA output current

Application notes:

- Table 7 below lists the approximate resistor values to be used for a given output current value (for a single OT 18 DIM)

I_{out} [mA]	R [kΩ]
100	5,2
200	8,2
300	11,2
350	12,7
400	14,1
500	17,1
600	20,1
700	> 23,0

Table 7 – OT 18/200-240/700 DIM – Typical resistor values

- When controlling multiple OT 18/200-240/700 DIM in parallel the resistor value listed in Table 7 above must be divided by the number of devices controlled in parallel to achieve the desired output current. Only a limited number of OT 18/200-240/700 DIM may be wired in parallel, check the instruction sheet delivered with the product for details.

- Typical potentiometers with 20, 47, or 100 kΩ log. can be used to control the OT 18/200-240/700 DIM. The mechanical range of the potentiometer may need to be adjusted accordingly.

- To operate the OT 18/200-240/700 DIM with a limited maximum output current of either 500 mA or 350 mA the pre-installed resistor must be replaceed with the fixed resistor value given in Table 8 below.

Max. I_{out} [mA]	$R_{potentiometer}$ [kΩ log]	R_{fixed} [kΩ]
500 mA	100	21.95
	47	29.17
	20	180
350 mA	100	14.4
	47	17.2
	20	34

Table 8 – Resistor values for OT 18 DIM with output current limited